

Let's power your business

Zeppelin Energy Rental

Rental guide



Power



Heating



Cooling

ZEPPELIN®



Energy Rental



About Zeppelin Energy Rental

Powered by Caterpillar

Zeppelin Energy Rental is an internationally operating company that offers rental solutions in power and temperature control. We are part of Zeppelin Group, a leading foundation-owned multinational company headquartered in Germany with over 12.000 employees.

We provide customized power supply and temperature control solutions for a wide range of industries with temporary energy needs. We are passionate about what we do and strive to offer the highest quality in our solutions and services.

How we work

Every project is unique and we give it our full attention. This is why we sit down with you to understand the specific needs of your project and industry. Our specialists then come up with a proposal that specifically addresses your requirements and wishes. If required, we'll schedule a meeting and a site visit to obtain a clear picture of your needs and situation.

We have a hands-on mentality when it comes to bringing a project to successful completion. We go the extra mile to make it work.

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Our services

We offer a wide range of services to take care of all your needs,
we're here for you.

As part of the global Caterpillar dealership experienced engineers and required components are always nearby and available when you need them.



We make sure that your business can run as usual, without interruptions and downtime. We are always one step ahead, with remote monitoring of the equipment in use.



Remote
monitoring



Transport
(delivery on site)



Inhouse
engineering



24/7
support

For more information
visit zeppelinenergyrental.com

Our solutions

Whatever power, heating or cooling you need,
we take care of it.



Power

- Prime power
- Back-up power
- Load testing
- Peak shaving
- Contingency planning
- Continuous power
- Offshore/onshore



Heating

- Comfort heating
- Process heating
- Warehouse heating



Cooling

- Comfort cooling
- Process cooling
- Warehouse cooling
- Low temp reffridgeration

Our power equipment includes:

- Power generators up to 2000 kVA
- Cables
- Fuel tanks
- Distribution gear
- Load banks
- Transformers
- Batteries

Our heating equipment includes:

- Air handlers
- Air heaters
- Air-to-air heat pumps
- Heat pumps
- Hot water systems

Our cooling equipment includes:

- Air handlers
- Air coolers
- Air-to-air heat pumps
- Heat pumps
- Chillers
- Cooling towers

Quality and safety

Everyone's safety matters to us. We design applications that conform to the highest safety standards. Our solutions comply with all regulations and certifications and meet the safety ISO security.





Road tows specifications

Our smart road tows are easy to operate and transport. This is the perfect choice when you have a smaller power need, and need a flexible solution. These generators have a built-in diesel tank, but you can rent a bigger tank on wheels in case you need it.

The road tows have a capacity from 30 to 100 kVA and can easily be switched between 400V and 230V. These generators are equipped with remote monitoring, which gives the opportunity to easily monitor the fuel level, current load and location of the generator.



Technical information

Model		SSDP36A	SSDP70A	SSDP120A
Frequency	Hz	50	50	50
Voltage Range	V	230 400	230 400	230 400
Power Capacity ¹	kVA	32.7	60.7	106.1
	kW	26.2	48.6	84.9
Output ²	A	82 47.1	152.3 87.6	266.3 153.1
Breaker 4P	A	100 60	160 100	400 200
Fuel tank	L	280	350	470
Fuel consumption ³	L/hr	6.1	10.6	19.8
Running time	hr	46	33	24
Dimensions [LxWxH]	mm	4240x1600x1800	4240x1600x1800	4200x1740x2140
Weight ⁴ without fuel	kg	1517	1703	2200
Weight ⁴ with fuel	kg	1755	2000	2600
Sound level ⁵	dBA ³	67	65	69
Remote monitoring	-	Yes	Yes	Yes

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50 Hz at pf 0.8
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant
5. Sound levels given at 75% prime power load 50 Hz at 7m



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Power generator specifications

Our canopied containers are sound insulated, with super-silent models for extra-sensitive environments. The XQE line provides lower fuel consumption (up to 20% lower) and excellent performance.

Ancillaries ensure your power supply meets the highest safety standards, with HV and LV cables, powerlock connectors, fuel tanks and 32- to 3200-A distribution boxes.



Technical information

Model		XQP100	XQ135	XQP150	XQ250	XQP275	XQP500
Frequency	Hz	50 60	50 60	50 60	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480	400 480	400 480	400 480
Power Capacity ¹	kVA	100 120	135	150 182	250	275 344	500 525
	kW	80 96	100	120 146	200	220 275	400 420
Output ²	A	144 144	195 162	217 220	360 305	398 413	722 632
Breaker 4P	A	200	250	250	400	630	800
Fuel tank	L	410	766	590	1200	717	965
Fuel consumption ³	L/hr	20.3 22.2	20.9	29.6 34.7	35.2 41.5	48.1 59.9	86.8 99.7
Running time	hr	20 18	37	20 17	34 29	15 12	11 10
Dimensions [LxWxH]	mm	2270x1120x1846	3570x1155x2030	3520x1120x2226	4250x1320x2445	4065x1400x2124	5103x1954x2292
Weight without fuel	kg	1517	2810	2547	4110	3880	5977
Weight with fuel	kg	2456	3580	3124	5310	4518	6879
Sound level ⁴	dBA	77.8 80.2	62.8	64 67	66.9 68.9	66.4 68	67 70
Remote monitoring	-	Yes	Yes	Yes	Yes	Yes	Yes

Details are given for guidance only

- @ Prime power
- Amps 50Hz at 400V, 60Hz at 480V
- Fuel consumption measured at 75% load. Fuel density is 850 G/L
- Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more then 50 hz based on bare engine data.



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Generators EU5 certified



EU5 certified

Power generator specifications

Our canopied EU5 containers are sound insulated, with super-silent models for extra-sensitive environments. The EU5 line are equipped with built-in AdBlue tank in addition to a built in diesel tank and provides excellent performance .

Ancillaries ensure your power supply meets the highest safety standards, with HV and LV cables, powerlock connectors, fuel tanks and 32- to 3200-A distribution boxes.



Technical information

Model		XQP115	XQP200	XQP310	XQP550
Frequency	Hz	50 60	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480	400 480
Power Capacity ¹	kVA	115 120	200 225	310 310	550 588
	kW	92 96	160 180	248 248	440 470
Rating	-	Prime	Prime	Prime	Prime
Output ²	A	166 144	289 271	447 373	794 707
Breaker 4P	A	200	400	630	1250
Fuel tank	L	518	822	667	1125
AdBlue tank	L	28	32	65.6	92
Fuel consumption ²	L/hr	20.4 21	32.4 39.9	50 56.5	87.4 98.8
AdBlue consumption ³	L/hr	0.82 0.84	1.3 1.6	2 2.3	3.5 3.95
Running time ³	hr	25.4 24.7	25 20	13.3 11.8	12.8 11.4
Dimensions [LxWxH]	mm	2970x1150x2076	4085x1420x2350	4085x1514x2277	5420x2040x2434
Weight without fuel ⁴	kg	2077	3651	4103	6740
Weight with fuel ⁴	kg	2527	4487	4784	7885
Sound level ⁵	dBA	64.9	64.6	65.4	70.4
Remote Monitoring	-	Yes	Yes	Yes	Yes

Details are given for guidance only

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50HZ at pf 0,8
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant
5. Sound levels given at 75% prime power load 50 Hz at 7m



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Power generator specifications

Caterpillar is the largest producer of medium and high speed diesel engines, and its generators are known worldwide for their safety and reliability. We have generators for rental solutions ranging from a simple power set to multi-megawatt installations.

It is heavy-duty equipment with low noise and – alongside base load supply – easy to ramp up and down with soft loading and unloading for peaking power.

Our generators are housed in robust cast-iron 20-foot (diesel only) or 40-foot (diesel and gas) CSC plated ISO containers that are easy to transport by road, sea or air. They are simple to assemble, operate and maintain.

The XQE line provides industry leading fuel efficiency (up to 20% higher) and excellent performance. Ancillaries ensure your power supply meets the highest safety standards, from HV and LV cables and Powerlock connectors to fuel tanks, and 32- to 3200-A distribution boxes.



Technical information

Model		XQ1000	PM1360	XQC1600
Frequency	Hz	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480
Power Capacity ¹	kVA	1000 1137	1500 1700	2250 2281
	kW	800 910	1200 1360	1800 1825
Output ²	A	1445 1369	2167 2047	3251 2747
Breaker 4P	A	1600	2500	4000
Fuel tank	L	1200	400	1000
Fuel consumption ³	L/hr	184 198	231 268	327 339
Running time	hr	7 6	1.7 1.5	3 3
Dimensions [LxWxH]	mm	6058x2438x2591	6058x2438x2896	12192x2438x2896
Weight without fuel	kg	15570	20000	32000
Weight with fuel	kg	16570	20400	32850
Sound level ⁴	dBA	69.7 70	81 81	74
Remote Monitoring	-	Yes	Yes	Yes

Details are given for guidance only

1. @ Prime power
2. Amps 50Hz at 400V, 60Hz at 480V
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more then 50 hz based on bare engine data.



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Load bank specifications

A load bank will give you all the information you need about the performance of your unit or system under full or partial load. We have a range of smaller load bank rental solutions with robust modular chassis/canopy construction for single or three phase testing up to 1000 kW per unit, 10-foot containers for 3000 kW and 20-foot containers for 5000 kW. These units can test AC supplies at unity or variable power factor, along with battery discharge and UPS units.

Our larger units can perform resistive and reactive testing of generators and power supplies, handling up to 480 V and 6 MVA each.

There is 690 V and HV testing without a transformer, and the units can have unity or variable power factor. Multiple units can easily be linked. Housed in robust ISO containers, the units are mobile and come with all the ancillaries you'll need.



Load banks

Technical information

Model		LB 200	LB 1000	LB 1266	LB 1500
Type	-	Resistive	Resistive	Resistive	Resistive / Inductive
Power capacity ¹	kVA	200	1000	1266 (450V)	1042
Power capacity ²	kW	200	1000	1266 (450V)	833
Aux supply	V	230, single phase, 16A	400, 50Hz, 440 60Hz	400, 50Hz, 440 60Hz	400, 50Hz, 440 60Hz
Power factor	-	1	1	1	0.1-1.0
External fan & control supply	-	3 pole 16 Amp CEE	5 pole 32 Amp CEE	5 pole 32 Amp CEE	5 pole 32 Amp CEE
Airflow	-	Horizontal	Horizontal	Horizontal	Vertical
Enclosure	-	Wheels	Fork base	Fork base	Fork base
Connection points	-	Powellocks	M12	M12 (opt. powerlocks)	M12
Dimensions [LxWxH]	mm	1140x870x985	2340x1540x2075	2340x1540x2075	3050x1852x2460
Weight	kg	300	1420	1420	5150
Forklift pockets	-	Yes	Yes	Yes	Yes
Max. Sound level ³	dBA	69	73	73	79

Model		LB 2000	LB 3000	LB 6000	LB 6000-690
Type	-	Resistive / Inductive	Resistive / Inductive	Resistive / Inductive	Resistive / Inductive
Power capacity ¹	kVA	2000 (480V)	2292	5000	6250 ⁴
Power capacity ²	kW	1600 (480V)	1833	4000	5000 ⁵
Aux supply	V	400, 50Hz, 440 60Hz	400, 50Hz, 440 60Hz	400, 50Hz, 440 60Hz	380-420, 50Hz, 440-480, 60Hz
Power factor	-	0.1-1.0	0.1-1.0	0.1-1.0	0.1-1.0
External fan & control supply	-	5 pole 32 Amp CEE	5 pole 63 Amp CEE	5 pole 125 Amp CEE	5 pole 125 Amp CEE
Airflow	-	Vertical	Vertical	Vertical	Vertical
Enclosure	-	Fork base	Container	Container	Container
Connection points	-	M13	M12	M12	M12
Dimensions [LxWxH]	mm	3050x1958x2530	2991x2438x2591	6058x2438x2591	6058x2438x2591
Weight	kg	5150	9000	17000	17000
Forklift pockets	-	Yes	Yes	Yes	Yes
Max. Sound level ³	dBA	80	85	88	88

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Power capacity at 50Hz, 400V, 0.8pf
2. Power capacity at 50Hz, 400V, 1pf
3. Sound levels given at 3m 50Hz
4. @ 690V, 0.8pf
5. 690V, 1.0pf
6. @ 690V



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Fuel tank specifications

For an efficient operation of our generators we offer a range of ancillaries for rent, including environmentally-safe diesel fuel tanks. Our range of fuel tanks is UN1202 compliant and ADR approved.

They allow environmentally safe supply of fuel to our equipment where an auxiliary source is required, or if the equipment's own internal tank does not allow sufficient running time.

The robust pressure tested containers are equipped with quick release couplings, fork lift pockets and a lockable, vandal-proof access hatch. They ensure safe and secure containment of bulk fuel supplies for generators, heaters and hot water systems.



Fuel tanks

Technical information

Model		1000	3000	7000	8000	20000
Tank size	ltr	1000	3000	7000	8000	20000
Type	-	IBC	IBC	10 ft. ISO Container	10 ft. ISO Container	20 ft. ISO Container
ADR Approved	-	Yes	Yes	Yes	Yes	Yes
Fuel connection supply	-	3/8"	3/8", 3/4"	3/4"	3/4"	3/4"
Fuel connection return	-	3/4"	3/8", 3/4"	3/4"	3/4"	3/4"
Bund alarm	-	Electronic	Electronic	Visual	Visual	Electronic
Lifting points	-	Yes	Yes	Yes	Yes	Yes
Forklift pockets	-	Yes	Yes	Yes	Yes	No
Fuel fill connection	-	3"	3"	2"	2"	3"
Overfill connection	-	Yes	Yes	Yes	Yes	Yes
Fuel level indicator	-	Yes	Yes	Yes	Yes	Yes
Max. Fuel level	%	95	95	95	95	95
Lockable	-	Yes	Yes	Yes	Yes	Yes
Dimensions [LxWxH]	mm	1200x1200x1250	2400x1200x1600	2991x2438x2438	2991x2438x2438	6058x2348x2590
Weight empty	kg	450	950	4000	4400	6250

Model		AB 1000	AB 3000
Tank size / capacity fuel	ltr	1000	3000
Tank size / capacity AdBlue	ltr	200	360
Type	-	Road tow	Fuel box 3000
Fuel connections 3/8"	-	*	2
Fuel connections 3/4"	-	*	2
Fuel connections 1"	-	*	1
AdBlue connections 3/8"	-	*	2
Bund alarm	-	No	No
AdBlue heater connection	-	230V 1ph CEE	230V 1ph CEE
Dipstick	-	No	No
Forklift pockets	-	Yes	Yes
Fuel fill connection	-	*	3"
AdBlue fill connection	-	*	3"
Overfill connection	-	Yes	Yes
Lockable	-	Yes	Yes
Dimensions [LxWxH]	mm	3214x1730x1550	2550x1560x1290
Weight empty	kg	970	1022

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

The majority of our fuel tanks are equipped with fuel level monitoring. Fuel level indicators and fuel level monitoring give only an indication of the current content and may not be seen as accurate values.

*AB 1000 has a built-in AdBlue pump and a water- and particle filter in addition to a filler hose and fuel gun.



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HV transformer specifications

Our range of multi-tapped transformer rentals convert 400 to 480 V generator set outputs to a number of HV voltages up to 23 kV for distribution. The transformers are housed in CSC Plated 10- and 20-foot containers allowing a multitude of voltage combination to ensure optimal power transmission in all applications.

Complete package with full high voltage and low voltage protections. You can hire a transformer for everything from small-scale projects to a major plant.

Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands. Our transformer rental equipment is also suitable for event power and for new construction and extensions. The modular units are safe and reliable.

They are efficient so have minimum effect on the environment. They use a mix of dry and oil cooling. The high-voltage outputs can be stepped down for testing with (for example) load banks.



HV transformers

Technical information

Model		HV 3150	HV 8000
Voltage secondary @ 50Hz	kV	5 - 22	5 - 23
Current secondary	A	350 82.67	770 200
Voltage primary	V	400	400
Current primary	A	4547	11546
Voltage secondary @ 60Hz	kV	6 - 23	6 - 23
Current secondary	A	262.5 - 131.3	642 - 202
Voltage primary	V	480	480
Current primary	A	3789	9622
Vector	-	Dyn 11 / YNyn 0	Dyn 11
Coolant	-	Oil	Midel 7131
Protection	-	DGTP*, HV overcurrent	DGTP*, HV overcurrent
Connection Points	-	M12	M12
Enclosure	ft	10	20
Dimensions [LxWxH]	mm	3029x2438x2590	6058x2438x2896
Weight	kg	10600	26000

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* = Discharge Gas, Temperature, Pressure protection.



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LV transformer specifications

Our range of low voltage transformer rentals convert 400 to 480 V generator set outputs to a number of LV voltages up to 690 V for distribution. We offer a range of inputs and outputs to ensure you have the right voltage for your application.

You can rent a transformer for everything from small-scale projects to a major plant. Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands.

Our transformer rental equipment is also suitable for event power, new construction and extensions and load bank testing.

The modular units are efficient so they have a minimum effect on the environment.



LV transformers

Technical information

Model		LV 500	LV 1000
Voltage primary	V	690 / 500 +/- 2 x 2,5%	690 / 500 +/- 2 x 2,5%
Current primary	A	418 / 577	418 / 577
Voltage secondary	V	400	400
Current secondary	A	722	1443
Connection	-	Dyn11	Dyn11
Coolant	-	Air	Air
Transformer protection ¹	-	N/A	N/A
Overcurrent protection	-	Yes	Yes
Shortcircuit protection	-	Yes	Yes
Connection points	-	M12	M12
Enclosure	-	Canopy	Canopy
Dimensions [LxWxH]	mm	2228x1200x1850	2228x1200x1850
Weight	kg	2065	2900

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. = Discharge Gas, Temperature, Pressure protection.



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Battery & charging solutions

We power the future. Our electrical fleet offers batteries in various capacities and functions such as Voltage and frequency conversion, this makes them very versatile in various applications. They can be used in microgrid applications, on- and off grid applications and in combination with solar power. They are ideal for applications such as peak shaving since they can be charged by the grid and/or a generator at night and use the stored power when it's required.

Our fast chargers are user friendly and can be used in combination with batteries and generators. We can tailor the perfect charging solution for your project including batteries, chargers and generators.



**Remote
monitoring**



**Inhouse
engineering**



**Transport
(delivery on site)**



**24/7
support**

**We're here
to help**

Tell us what your challenge is and we'll create the right solution. We'll do that by making sure we define your needs from the outset and then tailoring the solution to suit them. Whether you're looking for emergency or primary power, a reliable back-up solution or a load test, we're here to help.

We'll put all our energy into helping you find the right solution.



Battery power

Battery specifications

The CAT battery XES 120, offered by us at Zeppelin Energy Rental, is a high-performance mobile energy storage solution designed for reliable, sustainable, and cost-efficient temporary power. With 127 kWh of usable storage and 100 kVA continuous output, it delivers robust performance with zero direct CO₂ emissions and near-silent operation, making it ideal for construction sites, events, offshore projects, and industrial applications.

The system can be charged from the grid, generators, or renewable sources such as solar and wind, and it integrates seamlessly into hybrid power setups to reduce fuel consumption and lower operating costs. Built for demanding

environments, the CAT XES 120 combines Caterpillar's proven technology with smart energy management to ensure maximum flexibility and reliability.

With Zeppelin Energy Rental's expertise and service, customers benefit from a clean, quiet, and efficient power solution that supports both operational needs and sustainability goals. The CAT Battery XES 120 is the smart choice for businesses looking to balance performance, efficiency, and environmental responsibility in their temporary power supply.



Technical information

Model		XES 120
Apparent power @ 400 V AC	kVA	90
Voltage in	VAC	400
Voltage out	VAC	400
Voltage in	VDC	-
Voltage out	VDC	-
Real power	kW	72
Current	Amps	130
Max. DC current for discharging	Amps	-
Nominal energy	kWh	120
Available energy	kWh	127.9
Short circuit current	-	260
Overload	%	1.5 x 30 sec
Efficiency (IEC62933-2-1)	%	-
Typical charge time	Hour	3
Battery chemistry	-	LFP
Battery system voltage	-	48
Cycle life	-	6000
Maintenance charge interval	-	*
Charge connection AC	-	M12 bolts
Discharge sockets AC	-	1 x 16A 1P+N+PE, 1 x 125A 3P+N+PE
	-	
Discharge sockets DC	-	-
Charge sockets AC	-	125A 3P+N+PE
Charge sockets DC	-	-
Standby connection	-	16A 1P+N+PE
Enclosure	-	Canopy
Dimensions [LxWxH]	mm	2250x1398x2126
Noise	dB	-
Weight	kg	2800
IP degree	-	55
Ambient conditions	°C	-
Relative humidity	%	-
Max. working altitude	Mtr	-
Cooling concept	-	Air-to-air
Cable length DC	Mtr	n/a
Controller	-	ESS
Certification	-	CE
Fire detection	-	n/a
Fire suppression	-	n/a
Remote monitoring	-	Victron
Communication	-	RJ45
Application	-	ON & OFF grid, Hybrid with solar & generator



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Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* SOC must be monitored during storage. If a low SOC alarm occurs, the battery must be recharged to 50% SOC. Best practice is to maintain the battery between 20–50% SOC during storage.



Battery power

Battery specifications

Our rental battery units deliver reliable, flexible energy for a wide variety of needs. Designed for both onshore and offshore environments, they are equally effective in on-grid and off-grid situations. The BQ-S model offers the added capability to convert both frequency and voltage, making the units adaptable to a broad range of power systems. They can operate as stand-alone solutions or integrate seamlessly in hybrid configurations with generators, solar, or wind power.

These features make them particularly valuable for microgrid applications, where stability, efficiency, and adaptability are essential. By bridging renewable and conventional energy sources, they help create resilient and sustainable

power networks—whether in remote locations, temporary installations, or areas with inconsistent grid access.

Another key advantage is their ability to support peak shaving. The units can charge during periods of low demand, such as at night, and supply stored power during peak hours.

Highly versatile in practice, our batteries can be deployed to power construction sites, events, festivals, and heavy machinery such as excavators. Whether you need energy for a short-term project or a longer deployment, they provide a scalable, dependable, and sustainable solution tailored to your needs.



Technical information

Model		BQ-S
Apparent power @ 400 V AC	kVA	315
Voltage in	VAC	400 (208 - 690)
Voltage out	VAC	208 - 690 (400)
Voltage in	VDC	-
Voltage out	VDC	-
Real power	kW	284
Current	Amps	454
Max. DC current for discharging	Amps	-
Nominal energy	kWh	442
Available energy	kWh	350
Short circuit current	-	160% <2 sec
Overload	%	140%(<1min)/ 160%(<2 sec)
Efficiency (IEC62933-2-1)	%	>82
Typical charge time	Hour	0.6 - 3.6
Battery chemistry	-	NMC
Battery system voltage	-	60
Cycle life	-	3650
Maintenace charge interval	-	*
Charge connection AC	-	2 x Powerlock 660A
Discharge sockets AC	-	3pcs 16 A 1P+N+PE, 2pcs 32 A 3P+N+PE, 1pcs 3P+N+PE,
	-	1pcs 125A 3P+N+PE
Discharge sockets DC	-	-
Charge sockets AC	-	125 Amp 3P + N + PE CEE
Charge sockets DC	-	-
Standby connection	-	16 Amp Schuko
Enclosure	-	10 ft. Container high cube
Dimensions [LxWxH]	mm	3163x2438x2896
Noise	dB	63 - 78
Weight	kg	8500
IP degree	-	56
Ambient conditions	°C	-25 - +45
Relative humidity	%	0 - 95
Max. working altitude	Mtr	3
Cooling concept	-	Air-to-air
Cable length DC	Mtr	n/a
Controller	-	DEIF ASC
Certification	-	CE/UL9540A
Fire detection	-	Smoke detector
Fire suppression	-	Internal nozzle with water connection from outside
Remote monitoring	-	101 solutions
Communication	-	RJ45 TCP/IP
Application	-	ON & OFF grid, Hybrid with solar & generator



Energy Rental

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* SOC must be monitored during storage. If a low SOC alarm occurs, the battery must be recharged to 50% SOC. Best practice is to maintain the battery between 20-50% SOC during storage.

Mobile fast chargers



Electric charging

Fast charger specifications

Our rental battery units with integrated fast chargers deliver reliable, flexible energy for a wide variety of needs. Designed for both onshore and offshore environments, they are equally effective in on-grid and off-grid situations. They can operate as stand-alone solutions or integrate seamlessly in hybrid configurations with generators, solar, or wind power.

These features make them particularly valuable for microgrid applications, where stability, efficiency, and adaptability are essential. By bridging renewable and conventional energy sources, they help create resilient and sustainable power networks—whether in remote locations, temporary installations, or areas with inconsistent grid access.

Another key advantage is their ability to support peak shaving. The units can charge during periods of low demand, such as at night, and supply stored power during peak hours.

Highly versatile in practice, our batteries can be deployed to power construction sites, events, festivals, and heavy machinery such as excavators. Whether you need energy for a short-term project or a longer deployment, they provide a scalable, dependable, and sustainable solution tailored to your needs.



Mobile fast chargers

Technical information

Model		CQ-M	CQ-L
Apparent power @ 400 V AC	kVA	110	110
Voltage in	VAC	400	400
Voltage out	VAC	400	400
Voltage in	VDC	800	800
Voltage out	VDC	150 - 1000	150 - 1000
Real power	kW	360	540
Current	Amps	500	500
Max. DC current for discharging	Amps	360	540
Nominal energy	kWh	540	1068
Available energy	kWh	432	924
Short circuit current	-	160% <2 sec	160% <2 sec
Overload	%	-	-
Efficiency (IEC62933-2-1)	%	>82	>82
Typical charge time	Hour	0.75 - 3.3	3.3 - 6.7
Battery chemistry	-	NMC	NMC
Battery system voltage	-	60	60
Cycle life	-	4000	4000
Maintenace charge interval	-	*	*
Charge connection AC	-	Powerlock 300 A	Powerlock 520 A
Discharge sockets AC	-	3 x 16A 3P+N+PE, 2 x 32A 3P+N+PE, 1 x 63A 3P+N+PE,	3 x 16A 3P+N+PE, 2 x 32A 3P+N+PE, 1 x 63A 3P+N+PE,
	-	1 x 125A 3P+N+PE, Powerlock 160 Amp	1 x 125A 3P+N+PE, Powerlock 160 Amp
Discharge sockets DC	-	2 x CCS Type 2	2 x CCS Type 2
Charge sockets AC	-	125A 3P+N+PE	125A 3P+N+PE
Charge sockets DC	-	CCS Type 2	CCS Type 2
Storage connection	-	16 Amp Schuko	16 Amp Schuko
Enclosure	-	10 ft. Container	20 ft. Container
Dimensions [LxWxH]	mm	2991x2438x2591	6058x2438x2591
Noise	dB	63 - 78	63 - 78
Weight	kg	8938	15 815
IP degree	-	54	54
Ambient conditions	°C	-25 - +35	-25 - +35
Relative humidity	%	0 - 95	0 - 95
Max. working altitude	Mtr	3	3
Cooling concept	-	Air-to-air	Air-to-air
Cable length DC	Mtr	5	5
Controller	-	PSW Energy Management System CCS2	PSW Energy Management System CCS2
Certification	-	CE/UL9540A	CE/UL9540A
Fire detection	-	Smoke detector	Smoke detector
Fire suppression	-	Internal nozzle with water connection from outside	Internal nozzle with water connection from outside
Remote monitoring	-	101 solutions	101 solutions
Communication	-	RJ45 TCP/IP. (OCPP)	RJ45 TCP/IP. (OCPP)
Application	-	Charge on-grid. Discharge off-grid	Charge on-grid. Discharge off-grid

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* SOC must be monitored during storage. If a low SOC alarm occurs, the battery must be recharged to 50% SOC. Best practice is to maintain the battery between 20–50% SOC during storage.

Mobile fast chargers



Electric charging

Fast charger specifications

Our new mobile charging stations are specifically designed to optimize charging solutions in the industrial and construction sector. Our mobile EV chargers are a groundbreaking solution that combines mobility, fast charging and intelligent features, making them an essential asset for any industrial facility with a total power output of 360kW.

Designed to meet the needs of industrial environments, our mobile charging stations are equipped with durable and robust industrial-grade components. Whether in production facilities, warehouses, distribution centers or construction sites, our chargers ensure seamless integration into your operational setup and provide a hassle-free charging experience.

We know how important time efficiency is in industrial operations, which is why our mobile EV chargers are equipped with advanced technology for fast charging. With this charging station, you can charge 2 devices simultaneously for a more efficient workday.

Don't let an outdated charging infrastructure stand in the way of sustainable development - harness the energy of our mobile fast chargers and take your industry into an environmentally friendly future.



Mobile fast chargers

Technical information

Model		CQ-XS
Voltage	V	150 - 1000
Real power	kW	1 x 360 or 2 x 180
Current	Amps	0 - 500
Charge connection AC	-	Powerlock 380 - 480 50-60 hz
Discharge sockets DC	-	CCS2 2x
Cable length	Mtr	5
Enclosure	-	5 ft. Container
Dimensions [LxWxH]	-	2200x1600x2420
Weight	kg	<1000
IP degree	-	56
Ambient conditions	°C	-25 - +45
Cooling concept	-	Air cooled / cables liquid cooled
Cable length DC	Mtr	5
Controller	-	C-TEK
Communication	-	Open Charge Point Protocol 1.6
Application	-	AC-DC charger

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.



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ZEPPELIN® CAT

Energy Rental



Electric charging

Fast charger specifications

The CQ-S R mobile energy storage system from Zeppelin Energy Rental is a compact, road-towable solution designed to deliver reliable and flexible power wherever it is needed. With a nominal capacity of 229 kWh and 200 kWh available for use, it is perfectly suited for applications such as electric vehicle charging, temporary events, construction sites and emergency backup power.

The system offers both AC and DC charging and discharging capabilities, including high-capacity CCS2 fast charging, making it compatible with a wide range of electric vehicles and equipment. Built for demanding environments, the CQ-S RT is IP54-rated, operates in temperatures from -20°C to $+45^{\circ}\text{C}$

$^{\circ}\text{C}$, and is equipped with efficient air-cooling technology for dependable performance. Its round-trip efficiency of over 82% ensures maximum energy output with minimal losses, while integrated fire detection and remote monitoring via Ethernet, Wi-Fi or GSM provide peace of mind and operational control.

Compact in size yet powerful in operation, the CQ-S RT combines portability with durability, offering smart connectivity through OCPP 1.6 to integrate seamlessly into modern energy networks. With its robust trailer-mounted design, this innovative solution provides sustainable, efficient and safe mobile energy storage, enabling businesses and organizations to stay powered anywhere, anytime.



Mobile fast chargers

Technical information

Model		CQ-S
Apparent power @ 400 V AC	kVA	3.68
Voltage in	VAC	400
Voltage out	VAC	400
Voltage in	VDC	320 - 461
Voltage out	VDC	200 - 920
Real power	kW	184
Current	Amps	-
Max. DC current for discharging	Amps	200
Nominal energy	kWh	229
Available energy	kWh	200
Short circuit current	%	100
Overload	%	100
Efficiency (IEC62933-2-1)	%	>82
Typical charge time	Hour	1.7 - 2.5
Battery chemistry	-	LFP
Battery system voltage	-	48
Cycle life	-	6000
Maintenace charge interval	-	*
Charge connection AC	-	1 x 16A 1P+N+PE
Discharge sockets AC	-	1 x 16A 1P+N+PE
	-	
Discharge sockets DC	-	CCS Type 2
Charge sockets AC	-	125A 3P+N+PE
Charge sockets DC	-	CCS Type 2
Storage connection	-	16 Amp Schucko
Enclosure	-	Canopy
Dimensions [LxWxH]	mm	2700x1600x1630
Noise	dB	-
Weight	kg	3000
IP degree	-	54
Ambient conditions	°C	-20 - +45
Relative humidity	%	-
Max. working altitude	Mtr	-
Cooling concept	-	Air cooled
Cable length DC	Mtr	6
Controller	-	Siemens
Certification	-	CE
Fire detection	-	-
Fire suppression	-	n/a
Remote monitoring	-	Ethernet/WIFI/GSM
Communication	-	OCPP 1.6
Application	-	Offgrid charging

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* SOC must be monitored during storage. If a low SOC alarm occurs, the battery must be recharged to 50% SOC. Best practice is to maintain the battery between 20–50% SOC during storage.



FGWU0100726
AGW = 19740 KG

TILKOBLET

E22-601

Offshore solutions

For the offshore industry, we offer solutions that meet the highest standards of safety and reliability. Therefore, our equipment incorporates a variety of safeguards, such as fire, gas, smoke and high-temperature detection. These systems are approved for use in zone 1 and our equipment are approved for use in safe zone. Our engineers are certified for offshore work,

We supply the complete oil & gas chain from exploration to drilling the oil or gas well, to extraction and beyond. We provide offshore equipment for oil rigs, vessels, FSO (Floating Storage & Offloading) and FPSO (Floating Production, Storage and Offloading) vessels and for decommissioning of platforms.



**Remote
monitoring**



Transport
(delivery on site)



**Inhouse
engineering**



**24/7
support**



Power

- Back-up power
- Prime power
- Emergency power
- Load testing
- NORSOK Z015
- DNV2.7-1

**We're here
to help**

Tell us what your challenge is and we'll create the right solution. We'll do that by making sure we define your needs from the outset and then tailoring the solution to suit them. Whether you're looking for emergency or primary power, a reliable back-up solution or a load test, we're here to help.

We'll put all our energy into helping you find the right solution.



Offshore power generator specifications

Our diesel driven offshore generators are manufactured by Caterpillar and are housed in a custom designed offshore rental package comprising of a canopied generator in a DNV 2.7-1 certified lifting frame. The package has been designed to provide flexibility for all types of end user operation. The equipment packages are classified for use in non-hazardous zone.

The key safety features outlined within the XQ power modules are: air shut off, spark arrestor, emergency stop, stainless steel braided fuel lines, anti-static drive belts and 'Yellow Alert' rig ESD. Our offshore equipment range also includes transformers, fuel tanks and NORSOK generators.



Offshore generators

Technical information

Model		XQ250 Offshore	XQ500 Offshore	GU750 Zone II Norsok	XQ1250 Norsok
Frequency	Hz	50 60	50 60	50 60	50 60
Prime power	V	400/230 480/277	400/230 480/277	400/230 480/277	400/230 480/277
Power Capacity ¹	kVA	250 250	500 500	600 750	1000 1137
	kW	200 200	400 400	480 600	800 910
Output ²	A	360 305	722 605	866 902	1445 1369
Breaker 4P	A	400	800	1000	1600
Fuel tank	L	1200	1250	720	1190
Fuel consumption ³	L/hr	35.2/42.1 41.5/48.9	72.6/91.2 81.3/89.6	140/155 177/193	162/175 198/210
Running time	hr	34 29	17 15	5.2/4.7 4.1/3.8	7 6
Dimensions [LxWxH]	mm	4600x1800x2616	5650x2200x2966	6058x2438x3057	6058x2438x2590
Weight ⁴ without fuel	kg	6210	8875	18500	18140
Weight ⁴ with fuel	kg	7410	9683	19900	19152
Sound level ⁵	dBA ³	66.9 68.9	66.8 68.8	83	73.9 76.8
Remote Monitoring	-	Yes	Yes	No	Yes

Model		QAC1450 TwinPower Norsok	XQ1700 Norsok
Frequency	Hz	50 60	50 60
Prime power	V	400/230 480/277	400/230 480/277
Power Capacity ¹	kVA	1364 1450	1500 1700
	kW	1091 1160	1200 1360
Output ²	A	1970 1744	2167 2047
Breaker 4P	A	2x1250	2500
Fuel tank	L	2x793	1650
Fuel consumption ³	L/hr	189.1 207.6	236/258 269/297
Running time	hr	8 7.5	7 6
Dimensions [LxWxH]	mm	6058x2438x2900	6058x2438x2896
Weight ⁴ without fuel	kg	18200	22500
Weight ⁴ with fuel	kg	19700	24000
Sound level ⁵	dBA ³	73 76	85
Remote Monitoring	-	Yes	Yes

New fleet

We have Zone II approved and TwinPower generators in our fleet, contact us for more information.

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50Hz at 400V, 60Hz at 480V
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant, excludes slings. (including offshore frame on XQ250 and XQ500)
5. Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more than 50 hz based on bare engine data



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Energy Rental



Offshore fuel tank specifications

For an efficient operation of our (offshore) generators we offer a range of ancillaries for rent, including efficient and environmentally-safe diesel fuel tanks. Our offshore fuel tanks rental solutions are UN compliant and in conformity with IBC environmental regulations.

They allow environmentally safe supply of fuel to Zeppelin Energy Rental equipment where an auxiliary source is required or if the equipment's own internal tank does not

allow sufficient running time. The robust CSC plated, pressure tested containers are equipped with quick release couplings, fork lift pockets on four sides and a lockable, vandal-proof access hatch.

They ensure safe and secure containment of bulk fuel supplies for power generation and temperature control equipment.



Offshore fuel tanks

Technical information

Model		Offshore 7000	Offshore 8000
Tank size	ltr	7300	7690
Type	-	10 ft. ISO Container	10 ft. ISO Container
ADR approved	-	ADR/Kiwa and Vlarex	Yes
Fuel connection supply	-	3 x 3/4"	3/4"
Fuel connection return	-	3/4"	3/4"
Bund alarm	-	Visual	Visual
Lifting points	-	Yes DNV 2.7-1, EN12079 + certified DNV slingset	Yes DNV 2.7-1, EN12079
Forklift pockets	-	Yes	Yes
Fuel fill connection	-	2" dry break coupling tank unit	2"
Overfill protection	-	Yes	Yes
Fuel level indicator	-	Manual + digital level indicator	Yes
Max. Fuel level	%	95	95
Lockable	-	Yes	Yes
Dimensions [LxWxH]	mm	2991x2438x2591	2991x2438x2438
Weight empty	kg	4400	4400

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

The majority of our fuel tanks are equipped with fuel level monitoring.

Fuel Level Indicators and Fuel Level Monitoring only gives an indication of the current content and may not be seen as accurate values.



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Energy Rental



Offshore LV transformer specifications

Our range of low voltage transformer rentals convert 400 to 480 V generator set outputs to a number of LV voltages up to 690 V for distribution. We offer a range of inputs and outputs to ensure you have the right voltage for your application.

You can rent a transformer for everything from small-scale projects to a major plant. Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands.

Our transformer rental equipment is also suitable for event power, new construction and extensions and load bank testing.

The modular units are efficient so they have a minimum effect on the environment.



Offshore LV transformers

Technical information

Model		LV 1500 Offshore	LV 2200 Offshore
Voltage primary	V	600/660/690	600/660/690
Current primary	A	1443/1312/1255	2117/1925/1840
Voltage secondary	V	400/440/480	400/440/480
Current secondary	A	2165/1968/1804	3175/2887/2646
Frequency	Hz	50 60	50 60
Vector	-	YNyn0	YNyn0
Cooling	-	ANAN	ANAN
Primary switch	-	1600 A / 4 pole	2500A / 4 pole
Secondary switch	-	2500 A / 4 pole	3200A / 4 pole
Protection	-	Short circuit, overload and earth-fault	short circuit, overload and earth-fault
Signals	-	Fire, gas, smoke, high temperature, earth fault	Fire, Gas, smoke, high temperature, Earth fault
Fire & gas panel	-	Custom built in Eexed enclosure	Custom built in Eexed enclosure
Fire extinguishing system	-	Light foam. AFFF	Inergen
Alarms	-	Gas low, gas high, foam/fire, common alarm, local warning lights	Gas Low, Gas High, Fire, Common Alarm, Local warning lights
Rig signals	-	Short circuit, overload and earth-fault	Short circuit, overload and earth-fault
Space heaters	-	2 ea. 860 W, 230 V, 1~, 50/60 Hz	2 ea. 860 W, 230 V, 1~, 50/60 Hz
Enclosure	ft	10	10
Wall sockets	-	2 ea. CEE 32A (5 pole) for 400/440/480V, 2 ea.CEE 16A (3-pole)	2 ea. CEE 32A (5 pole) for 400/440/480V, 2 ea.CEE 16A (3-pole)
Dimensions [LxWxH]	mm	2981x2438x2735	2981x2438x2735
Weight	kg	8300	9300

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* Built according DNV 2.7-1 / EN12079 for Non-hazardous area.



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All electric

Air handler specifications

Our air handler units are reliable – and have capacities of 20 to 200 kW to create a safe, pleasant and productive climate in any environment, from offices and schools to hospitals and laboratories. An air handling unit (AHU) produces cool or warm air when connected to chillers, heat pumps or boilers/hot water systems.

You can rent an air cooler to maintain critical temperatures in telecoms server rooms, keep staff and storage areas cool, or perform process cooling in industry. And they are often used in the events industry to cool or heat tents or temporary locations.

The units are safe to operate, are packaged in a complete assembly and feature environmentally sensitive operation. They are easy to transport, and easy to control. There is maximum and minimum air temperature outlet regulation, and automatic selection between heating and cooling.

Air handlers may also be used for liquid cooling, using the cold outside air (free cooling). For areas that require cooling to below zero, for example for cold storage, a low temperature air handling unit can be placed within the area to be cooled.



Air handlers

Technical information

Model		EAH 20/40 Pearl	EAH 50/185	EAH 100/250	EAH 100/295	EAH 200/460 *	EAH 200/585
Cooling capacity ¹	kW	20	50	100 ⁵	100	200 ⁵	200
Heating capacity ²	kW	40	185	250 ⁶	295	460 ⁶	585
Power supply	V/Ph/Hz/PE	230V/1Ph/50Hz/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	Schuko CEE 7/7	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)
Power consumption	kW	0.38	2.6	8.1	8.4	5.5	16.5
Power protection (fuse)	A	10	32	16	32	16	32
Max. Air flow	m³/hr	2100	9000	18000	18000	16500	36000
Hydraulic connections (DIN11851)	DN [mm]	25	40	50	50	80	80
Air Inlet / Outlet [Ø]	mm / mm	N/A	(3x) 650 / (1x) 650	(2x) 650 / (1x) 650	(3x) 800 / (1x) 800	(2x) 800 / (1x) 800	(3x) 800 / (1x) 800
External static pressure	Pa	0	300	300	300	300	300
Remote monitoring	-	No	No	No	No	Yes	No
Dimensions [LxWxH]	mm	620x390x1935	3000x1200x1900	3150x1200x1715	3500x1200x1900	4000x1200x2200	4000x1200x2400
Weight	kg	84	975	1250	1150	1800	1580
Max. Sound pressure @ 10 m	dBA	51 ³	55	53	62	55	64

Model		ELTC 50
Cooling capacity	kW	50 ⁴
Heating capacity	kW	N/A
Power supply	V/Ph/Hz/PE	400/3/50/PE
Power connection	-	CEE 63A (5-pole)
Power consumption	kW	2.5 (27 defrost)
Power protection (fuse)	A	63
Max. Air flow	m³/hr	25000
Hydraulic connections (DIN11851)	DN [mm]	50
Air Inlet / Outlet [Ø]	mm / mm	N/A
External static pressure	Pa	N/A
Remote monitoring	-	No
Dimensions [LxWxH]	mm	3010x1200x1200
Weight	kg	800
Max. Sound pressure @ 10 m	dBA	67 ³

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

For specific conditions, contact our application engineers.

1. At water temperatures 7/12°C and air inlet +30°C/50% RH
2. Heating capacity at water temperatures 85/70°C (mixed with 30% PG) and air inlet +10°C/50% RH
3. Max. Sound pressure at 5 m
4. At PG 30% temperatures -8/-5°C and air inlet +3°C/85% RH
5. At water temperatures 6/12°C and air inlet +30°C/65% RH
6. At water temperatures 80/60°C and air inlet -10°C/60% RH

* Optional/options EAH 200/460

- Automatic air-valve control
- CO₂ sensor and CO₂ control (optional)
- Master/slave
- Automatic switch-over (heating/cooling)
- Air filter bags (Standard-Flo SFGS-F7) specific air filter bags on request



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Energy Rental



Air heater specifications

Our portable, indirect oil or gas (option) fired air heaters produce warm air, suitable for space heating (comfort) or process heating (drying). The warm air can be distributed over long distances by our standard flame retardant air hoses, overhead-ducting, blow-out columns or air plenums, or existing air distribution systems on site. Indirect means: fresh ambient air that is warmed up and distributed into the area, is fully separated from the flue gasses coming out through the chimney.

These heaters use latest technology regarding oil or gas burners, resulting in highest efficiencies within the applicable regulations.

Our air heaters should be installed outdoors. All units have thermostatic room temperature control and an easy-to-use control panel.



Air heaters

Technical information

Model		70	115	175	260	350
Heating capacity ¹	kW	70	110	175	260	350
Power supply	V/Ph/Hz/PE	230/1/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	Shuko 16A	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)
Power consumption	kW	0.89	1.60	2.50	5.90	9.20
Power protection (slow fuse)	A	10	10	10	20	25
Air flow	m³/hr	4500	7000	10500	15000 ¹	20000 ¹
Max. fuel consumption	L/hr	7.4	12.7	19.0	29.2	38.3
Air Inlet / Outlet [Ø]	mm	(1x) 500 / (1x) 500	(1x) 500 / (1x) 500	(1x) 650 / (1x) 650	(2x) 800 / (1x) 800	(2x) 800 / (1x) 800
Dimensions [LxWxH]	mm	2440x800x1310	2440x800x1310	2440x800x1430	3765x1200x2120	3765x1200x2120
Weight	kg	475	505	540	1645	1700
Max. sound pressure @ 10m	dBA	65	66	67	66	68

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Air fan is frequency driven



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Energy Rental



All electric

Air-to-air heat pump specifications

Our air-to-air heat pumps have a capacity of 50, 75 and 100 kW. These units offer an all-electric solution to condition the climate in your (temporary) location.

Their compact design ensures an optimal flexibility with both a heating and cooling function.

The plug & play units work with the greenest refrigerant available in the market right now (R32). They are equipped with automatic controls which can support you with, for example, CO² monitoring and control.

The units can be used both stand alone and modular. They are mounted in a robust steel frame which makes them easy and safe to transport.



Air-to-air heat pumps

Technical information

Model		A2AHP50	A2AHP75	A2AHP100
Cooling capacity ¹	kW	50.3	73.9	101.6
Heating capacity ²	kW	46.4	76.6	104.5
Additional electrical heating	kW	24	N/A	N/A
Power supply (+/- 10%)	V V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	CEE 63A (5-pole)	CEE 125A (5-pole)	CEE 125A (5-pole)
Power protection	A	40	100	125
EER cooling	W/W	3.22	2.49	2.60
COP heating	W/W	3.60	3.05	3.15
Air hose connection supply air	mm	800	800	800
Air hose connection re-circulation air	mm	800	800	800
Air flow	m³/hr	9000	17 600	23 650
Remote monitoring	-	Yes	Yes	Yes
Max. Starting current	A	11.4	160	217
Lowest ambient temp. Cooling	°C	-10	0	0
Lowest ambient temp. Heating	°C	-15	-12	-12
Forklift pockets	-	All 4 sides	Long sides	Long sides
Transport frame dimensions [LxWxH]	mm	2991x2438x2549	5080x2478x2081	5280x2482x2382
Full operational weight	kg	2275	3085	3275
Sound pressure @ 10 m	dBA	49	44	45

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

- Cooling capacity based on mixed air: 70% return air 27°C / RH 50% and 30% ambient air 35°C / RH 50%
Lowest ambient temperature possible in cooling mode: -10°C
- Heating capacity based on mixed air: 70% return air 20°C / RH 50% and 30% ambient air 7°C / RH 87%
Lowest ambient temperature possible in heating mode: -15°C

Exact equipment may vary according to geographical location and availability.



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Energy Rental



Heat pump specifications



All electric

Our heat pump rental solutions are stand-alone, closed packaged systems. They can supply hot and cold water that is transported through flexible high-pressure hoses to distribution devices.

All our units have a standard design to make assembly, disassembly, installation and maintenance quick and easy. They are easy to transport with a forklift or a crane. They are delivered complete with all the ancillaries and fittings you'll need – like electric cables and water hoses.



Heat pumps

Technical information

Model		HP110	HP300
Cooling capacity ¹ (+30 Ambient)	kW	108	304
Heating capacity ²	kW	110	325
Heating boost capacity (at -10°C ambient temp)	kW	74	255
Built-in pump	-	Yes	Yes
Power supply (+/- 10%)	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE
Power connection	-	CE125A/5-pole	M12
Power consumption cool-mode (at +30 ambient, excl. pump)	kW	33	102
Power consumption heat-mode ²	kW	34	108
Pump power (Max.)	kW	5.5	18.5
Power protection (slow blow fuse)	A	100	400
EER (Cooling, excl. pump) ¹	-	2.81	2.64
COP (Heating, excl. pump) ²	-	3.24	3.01
Hydraulic Connections (DIN11851)	-	80	100
Max. Starting current	A	267	10
Fluid temperature range cooling	°C	-10 / +15	-10 / +15
Fluid temperature range heating	°C	+25 / +50	+35 / +55
Lowest ambient temperature	°C	-18	-18
Forklift pockets	-	Yes	Yes
Recommended Zeppelin Energy Rental genset size	kVA	135	250
Dimensions [LxWxH]	mm	3000x1235x2170	4336x2438x2591
Full operational weight	kg	1895	6280
Sound pressure @ 10 m	dBA	55	63

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Cooling capacity based on 12/7°C water temperature | +30°C air ambient
2. Heating capacity based on 40/45°C water temperature | +7°C air ambient

The majority of our rental solutions is equipped with remote monitoring.



**We're here
to help**

ZEPPELIN **CAT**

Energy Rental



All electric

Electrical hot water system specifications

The Zeppelin Energy Rental E-boiler is a fully electric hot water system that combines high performance with sustainability. With a heating capacity of 225 kW, it is designed to deliver reliable and efficient hot water for a wide variety of uses, including industrial processes, construction projects, district heating support, and as a dependable backup solution during outages.

Because it is fully electric, the E-boiler operates without fossil fuels and produces no emissions at the point of use, making it a clean and future-ready choice that supports decarbonization goals. Its compact and robust design allows for easy

transportation and quick installation, while advanced safety systems ensure secure and stable operation.

The E-boiler is ideally suited for temporary heating during maintenance, peak-load management, construction site heating and drying, as well as for event facilities or industrial applications. By replacing traditional oil- or gas-fired systems with an electric alternative, the Zeppelin Energy Rental E-boiler offers a sustainable, flexible, and powerful solution to meet modern energy needs.



Electrical hot water systems

Technical information

Model		HWS225
Heating capacity ¹	kW	225
Power supply	*	400/3/50/PE
Power connection	-	Powerlock
Max. power consumption (incl. pumps)	kW	236
Power protection (slow fuse)	A	400
Fuel consumption (ltr./hr.) ²	L/hr	N.A. (All electric)
Hydraulic connections (DIN11851)	DN [mm]	80
Max. operating pressure	bar	6
Pump speed secondary circuit	-	Variable
Plate heat exchanger ⁵	-	Standard integrated ⁴
Forklift pockets / lifting points	-	Yes / Yes
Dimensions [LxWxH]	mm	2991 x 2438 x 2591 (Std. 10ft. container)
Weight	kg	3350
Max. sound pressure at 10 m	dB(A)	40
Remote monitoring	-	Yes

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At average boiler water temperatures of 60°C inlet and 80°C outlet
2. Fuel consumption based on maximum capacity
3. Transport length. When chimney installed, L= 3491
4. Including integrated controls for stable wide range water outlet temperatures
5. Boiler circuit and customer circuit fully hydraulic separated
6. Consult specific lifting instructions

All our rental boilers are equipped with remote monitoring.



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Energy Rental



Hot water system specifications

Our hot water systems deliver hot water at temperatures up to 90°C for spaces and industrial process heating. These are quiet, high efficiency units with easy control and low emissions. Often combined as a package with air handlers and fan coils, they connect to flexible hoses for remote heating.

Units can be oil or gas powered, with heating capacities ranging from 380 kW to 600 kW using variable speed drive for extra efficient operation. Accessories include gas burners, air handlers, plate heat exchangers, and thermostatic control.

All our units have a standard design to make assembly, disassembly, installation and maintenance quick and easy. They are easy to transport with a forklift or a crane. They of course come complete with all the ancillaries and fittings you'll need.



Hot water systems

Technical information

Model		HWS380	HWS600
Heating capacity ¹	kW	350	560
Power supply	*	400/3/50/PE	400/3/50/PE
Power connection	-	CEE 32A (5-pole)	CEE 32A (5-pole)
Max Power Consumption (incl. pump)	kW	8	10.5
Power protection (slow fuse)	A	16	25
Fuel consumption ²	L/hr	37.9	59.8
Hydraulic connections (DIN 11851)	DN [mm]	50	80
Max. operating pressure	bar	10	4
Pump speed	-	Variable	Variable
Plate heat exchanger ⁵	-	Integrated ⁴	Integrated ⁴
Forklift pockets / Lifting points	-	Yes / Yes	Yes / Yes
Dimensions [LxWxH]	mm	4500x1200x2240	2991 ³ x2438x2591
Weight	kg	3270 ⁶	4350
Max. Sound pressure @ 10 m	dBA	65	65

*Vac/Ph/Hz/PE+N

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At average boiler water temperatures of 60°C inlet and 80°C outlet
2. Fuel consumption based on maximum capacity
3. Transport length With chimney installed L=3491
4. Including integrated controls for stable wide range of water outlet temperatures
5. Boiler circuit and customer circuit fully hydraulic separated
6. Including lifting frame

The majority of our rental solutions is equipped with remote monitoring.



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Energy Rental

Air-to-air coolers



All electric

Air cooler specifications

Our air-to-air cooler units produce cold air which is transported through flexible air hoses and distributed by air plenums or air ducting. The air is circulated or re-circulated, filtered, cooled and refreshed with outside air. Our units have a cooling capacity of 100 kW.

The units are safe to operate, are packaged in a complete assembly and feature environmentally sensitive operation. Air coolers or air conditioners may be used to maintain critical temperatures in telecoms server rooms, keep staff and storage areas cool, or perform process cooling in industry. And they can keep tents or temporary locations cool in warm climates.



Air-to-air coolers

Technical information

Model		A2AC100
Cooling capacity ¹	kW	110
Cooling capacity ²	kW	106
Power supply	V/Ph/Hz/PE	400/3/50/PE
Power connection	CEE (5-pole)	125 A
Power consumption ³	kW	44.3
Power protection (fuse)	A	125
Max. Air flow	m³/hr	23000
Air inlet / outlet [Ø]	mm / mm	800 / 800
Dimensions [LxWxH]	mm	4500x1200x2200
Weight	kg	2850
Max. Sound pressure @ 10 m	dBA	58

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At ambient +30°C and air intake +31°C
2. At ambient +35°C and air intake +31°C



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Energy Rental



All electric

Chiller specifications

Our contained, packaged chiller rental solutions provide chilled liquid for process cooling or temperature control. The units transport cold fluid through flexible hoses to distribution devices. We have an extensive range of air and water cooled chiller hire solutions available for rent.

The units are quiet, easy to operate and equipped with a remote monitoring system. Our chiller hire equipment can easily be combined with air handlers and fan coils for optimum cooling solutions.



Technical information

Model		EC50	EC100	EC250
Cooling capacity ¹ (+30 Ambient)	kW	56	105	258
Built-in pump	-	Yes	Yes	Yes
Power supply	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	CEE 63A (5-pole)	CEE 125A (5-pole)	M12
Power consumption (at +30 ambient, excl. pump)	kW	17.9	30.1	71.5
Pump power (Max.)	kW	3	5.5	11
EER (excl. pump) ¹ (at +30 ambient)	-	3.13	3.49	3.61
Power protection (fuse)	A	63	125	250
Hydraulic connections (DIN11851)	DN [mm]	50	50	80
Max. Starting current	A	64	17	24
Fluid temperature range cooling	°C	-5 / +12	-10 / +12	-12 / +12
Dimensions [LxWxH]	mm	2275x1200x2020	3240x1200x2110	2991x2438x2438
Full operational weight	kg	1340	1895	3560
Forklift pockets	-	Yes	Yes	Yes
Max. Sound pressure @ 10 m	dBA	48	52	64
Recommended Zeppelin Energy Rental genset size	kVA	135	135	135

Model		EC275	EC550	EC800
Cooling capacity ¹ (+30 Ambient)	kW	284	552	842
Built-in pump	-	Yes	Yes	Yes
Power supply	V/Ph/Hz/PE	400/3/50-60/PE	400/3/50-60/PE	400/3/50-60/PE
Power connection	-	M12	M12	M12
Power consumption (at +30 ambient, excl. pump)	kW	80.3	155	230
Pump power (Max.)	kW	3.54	18.5	18.5
EER (excl. pump) ¹ (at +30 ambient)	-	3.70	3.56	3.66
Power protection (fuse)	A	250	400	630
Hydraulic connections (DIN11851)	DN [mm]	100	100	2x100
Max. Starting current	A	0	3	0
Fluid temperature range cooling	°C	-15 / +15	-12 / +15	-12 / +15
Dimensions [LxWxH]	mm	2991x2434x2724	6058x2438x2438	7090x2438x2720
Full operational weight	kg	3650	7900	9150
Forklift pockets	-	Yes	Yes	Yes
Max. Sound pressure @ 10 m	dBA	60	60	67
Recommended Zeppelin Energy Rental genset size	kVA	150	250	500 (350)

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Cooling capacity based on 12/7°C water temperature | +30°C air ambient

The majority of our rental solutions is equipped with remote monitoring.



Cooling tower specifications



All electric

Our cooling towers have a design capacity of approx. 2MW. The units are used to cool down your process water within a wide range of water and ambient air temperatures.

Cooling towers use the principle of ambient air to cool down the process water. With a minimum use of power and a high cooling capacity it is a cost and energy efficient solution.

The units are easy to transport and install and can operate stand-alone, modular and/or in combination with an external pump. If required, the units can be placed on a platform for easy access and safe operation.

We value people's safety. To eliminate risks, a legionella prevention plan and water treatment plan need to be in place before start of the project.



Cooling towers

Technical information

Model		CT 2000
Cooling capacity ¹	kW	1859
Power supply	V/Ph/Hz/PE	400/3/50-60/PE
Power connection	-	CEE 63A (5-pole)
Max. Power consumption	kW	31
Power protection (fuse)	A	63
Max. Starting current	A	1
Max. Running current	A	58
Max. Air flow	m3/h	10 800
Min. / Max. Fluid flow rate	m3/h	111 / 320
Max. Fluid inlet temperature	°C	45
Hydraulic connections (flanges)	-	200 / 10 DN / PN
Dimensions [LxWxH]	mm	6605x2544x2785
Transport weight	kg	4450
Full operational weight	kg	6600
Forklift pockets	-	Yes
Built-in pump	-	No
Max. sound pressure level @ 15m	dB(A)	65
Remote monitoring	-	Yes
Recommended Zeppelin Energy Rental genset size	kVA	60

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Fluid Flow Rate: 320 m3/h, Entering Fluid Temp: 34°C, Leaving Fluid Temp: 29°C, Entering Air Wet Bulb Temp: 21°C

Consult your Pon Energy Rental application engineer for any other operation condition.



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