



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.



Mobile batteries

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.