

DATASHEET

EverCore-100kWh-(30-35)kW-LV

Models	100kWh-30kW	100kWh-35kW
System		
Rated energy capacity	100.5 kWh	
Max. cycle rate	0.5 P	
Max. cycle efficiency ^①	89%	
Usable energy capacity ^②	99.3 kWh	
Dimensions (W × H × D)	1250 × 2030 × 1540 mm	
Dimensions (without inverter) (W × H × D)	950 × 2030 × 1540 mm	
Weight	1490 kg (Cabinet) + 73 kg (Inverter)	
Operating temperature range	-25 ~ +55°C	
Storage temperature range	0 ~ +40°C	
Operating humidity range	≤ 95% (non-condensing)	
Max. operation altitude	4000 m	
System temperature control mode	Industrial-grade air-conditioning (Cabinet); Air cooling (Pack); Intelligent fan-cooling (Inverter)	
Fire suppression mode	Default: Aerosol, Explosion relief valve, Fire water inlet, Audible and visual alarm Optional: Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan	
Ingress protection	IP55 (Cabinet) + IP66 (Inverter)	
Anti-corrosion class (Battery Cabinet)	C4/C5 (Optional)	
Anti-corrosion class (Inverter)	C5	
Noise (rated operating condition)	70 dB(A) @ 1 m	
Lightning protection	Type II (AC port), Type II (PV&Battery)	
Protection mode	Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection	
Certification standards	IEC62619, IEC61000-6/2/4, IEC62040, IEC63056, IEC62477, UN38.3	
Battery		
Cell type	LFP 3.2 V / 314 Ah	
Cell cycle life ^③	8000	
System battery configuration	1P100S	
Rated voltage	320 V	
Operating voltage range	290 ~ 360 V	
Rated DC current	157 A	
Number of battery packs	5	
Battery pack capacity	20.1 kWh	
Battery pack weight	138 kg	
Inverter		
Inverter model	S6-EH3P30K-H-LV(21A)	S6-EH3P35K-H-LV(21A)
Rated output power	30 kW	35 kW
Max. apparent output power@On-grid	30 kVA	35 kVA
Rated grid voltage	3/(N)/PE, 127 V / 220 V; 3/(N)/PE, 133 V / 230 V	
Rating grid frequency	50 Hz / 60 Hz	
AC grid frequency range	45 - 55 Hz / 55 - 65 Hz	
Rated output current	78.7 A / 75.3 A	91.8 A / 87.8 A
Max. apparent output power@Off-grid	1.5 times of rated power, 10 s; 1.6 times of rated power, 2 s	
Back-up switch time	< 10 ms	
Power factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDi / THDv (@linear load)	< 2% / < 3%	
Max. usable PV input power	60 kW	70 kW
Recommended max. PV array size	60 kW	70 kW
Max. input voltage	1000 V	
Rated voltage	600 V	
Start-up voltage	180 V	
MPPT voltage range	150 - 850 V	
Max. input current	3 × 42 A	
Max. short circuit current	3 × 60 A	
MPPT number / Max. input strings number	3 / 6	
Communication	Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G	
Max. parallel quantity (off-grid)	10	

① Rated operating condition: Based on cell test condition of 25±2°C, 0.5P charge and discharge rate, and the AC output voltage is 220 or 230 Vac.

② 30°C~35°C, 0.3C, 100%DOD, within one month from the date of manufacture.

③ This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5P charge and discharge rate and SOH=70%.