



EverCore

100-261 kWh C&I Energy Storage System (ESS)

Move Energy to the Right Place at the Right Time, Through Simple, Reliable Systems that Installers Trust

Six core technologies behind EverCore

I Separated AC and DC architecture

- **Four-layer separation (structural, safety, thermal and protective)** enables safer operation and true plug-and-play installation
- Supports both AC and DC expansion, scalable up to **1.25 MW / 15.66 MWh**

II Integrated four-in-one power electronics

- **PCS, PV, STS and EMS integrated into one module** with a single centralised controller
- **<10 ms backup switching** with reduced failure points and no additional equipment required

III Designed for all environments, with optimised thermal management

- **IP66 inverter, IP55 cabinet and C5 anti-corrosion** protection for demanding sites
- Hybrid air duct design delivers up to **30% improved** thermal management efficiency

IV Designed for easy maintenance and lower operating costs

- **Separated, air-cooled architecture** reduces system complexity and service time
- **Industrial-grade components** designed for long-term, maintenance-free operation

V Triple-layer system safety protection

- **15-level protection system** from cell to cabinet to full system level
- **Layered detection and isolation designed** to contain and manage extreme scenarios

VI Open software platform with broad compatibility

- **SolisCloud** enables remote monitoring, digitalised O&M and wireless updates
- **Solis AI** supports forecasting, intelligent dispatch and revenue optimisation, with broad EMS/VPP compatibility

EverCore 261 kWh ESS



DATASHEET

EverCore-(100-261)kWh-(30-125)kW-NV

Models	100kWh-30kW	100kWh-40kW	100kWh-50kW	120kWh-30kW	120kWh-40kW	120kWh-50kW	120kWh-60kW	261kWh-80kW	261kWh-100kW	261kWh-125kW
System										
Rated energy capacity	100.48 kWh			120.57 kWh				261.24 kWh		
Max. cycle rate	0.5 P									
Depth of charge and discharge ^①	100%									
Dimensions (W × H × D)	1250 × 2030 × 1540 mm							1850 × 2230 × 1600 mm		
Dimensions (without inverter) (W × H × D)	950 × 2030 × 1540 mm							1400 × 2230 × 1600 mm		
Weight	1490 kg (Cabinet) + 73 kg (Inverter)			1630 kg (Cabinet) + 73kg (Inverter)				2900 kg (Cabinet) + 170 kg (Inverter)		
Operating temperature range	-25 ~ +55℃									
Storage temperature range	0 ~ +40℃									
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							75 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 ^②	8000									
System battery configuration	1P100S			1P120S				1P260S		
Rated voltage	320 V			384 V				832 V		
Operating voltage range	290 ~ 360 V			348 ~ 432 V				754 ~ 936 V		
Rated DC current	157 A									
Number of battery packs	5			6				13		
Battery pack capacity	20.09 kWh									
Battery pack weight	138 kg									
Inverter										
Inverter model	S6-EH3P 30K-H	S6-EH3P 40K-H	S6-EH3P 50K-H	S6-EH3P 30K-H	S6-EH3P 40K-H	S6-EH3P 50K-H	S6-EH3P 60K-H(21A)	S6-EH3P 80K10-NV-YD-H	S6-EH3P 100K10-NV-YD-H	S6-EH3P 125K10-NV-YD-H
Rated output power	30 kW	40 kW	50 kW	30 kW	40 kW	50 kW	60 kW	80 kW	100 kW	125 kW
Max. apparent output power@On-grid	30 kVA	40 kVA	50 kVA	30 kVA	40 kVA	50 kVA	60 kVA	80 kVA	100 kVA	125 kVA
Rated grid voltage	3/N/PE, 220 V / 380 V; 3/N/PE, 230 V / 400 V									
Rating grid frequency	50 Hz / 60 Hz									
AC grid frequency range	45 - 55 Hz / 55 - 65 Hz									
Rated output current	45.6 A / 43.3 A	60.8 A / 57.7A	76 A / 72.2 A	45.6 A / 43.3 A	60.8 A / 57.7 A	76 A / 72.2 A	91.2 A / 86.6 A	121.6 A / 115.5 A	151.9 A / 144.3 A	189.9 A / 180.4 A
Max. apparent output power@Off-grid	30-60K: 1.5 times of rated power, 10 s; 80-100K: 1.6 times of rated power, 10 s; 125K: 1.4 times of rated power, 10 s									
Back-up switch time	< 10 ms									
Power factor	> 0.99 (0.8 leading - 0.8 lagging)									
THDi / THDv (@linear load)	< 2% / < 3%									
Max. recommended PV input power	60 kW	80 kW	100 kW	60kW	80kW	100kW	100kW	160 kW	200 kW	250 kW
Max. input voltage	1000 V									
Rated voltage	600 V									
Start-up voltage	180 V									
MPPT voltage range	150 - 850 V							150 - 950 V		
Full load MPPT voltage range	600 - 850 V							550 - 900 V		
Max. input current	3 × 42 A	4 × 42 A		3 × 42 A	4 × 42 A			10 × 42 A		
Max. short circuit current	3 × 60 A	4 × 60 A		3 × 60 A	4 × 60 A			10 × 60 A		
MPPT number / Max. input strings number	3 / 6	4 / 8		3 / 6	4 / 8			10 / 20		
Communication	30-60K: Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G 80-125K: Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×5, DO×4; Optional: 4G									
Max. parallel quantity (on/off-grid)	10									

① The battery must be recharged within 1 day after being fully discharged to keep battery healthy.

② Data provided by the battery cell manufacturer, based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and SOH = 70%.