



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
- **SolisAI** supports forecasting, intelligent dispatch and revenue optimisation, with broad EMS/VPP compatibility

EverCore 261 kWh ESS



DATASHEET

EverCore-(100-261)kWh-(50-125)kW-NV

Models	100kWh-50kW	120kWh-60kW	261kWh-125kW
System			
Rated energy capacity	100.48 kWh	120.57 kWh	261.24 kWh
Max. cycle rate	0.5 P		
Max. cycle efficiency ^①	89%		
Depth of charge and discharge	0 ~ 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°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		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-EH3P50K-H(21A)	S6-EH3P60K-H(21A)	S6-EH3P125K10-NV-YD-H
Rated output power	50 kW	60 kW	125 kW
Max. apparent output power@On-grid	50 kVA	60 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	76 A / 72.2 A	91.2 A / 86.6 A	189.9 A / 180.4 A
Max. apparent output power@Off-grid	1.5 times of rated power, 10 s; 1.6 times of rated power, 2 s		1.6 times of rated power, 200 ms
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	100 kW		250 kW
Recommended max. PV array size	100 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
Max. input current	4 × 42 A		10 × 42 A
Max. short circuit current	4 × 60 A		10 × 60 A
MPPT number / Max. input strings number	4 / 8		10 / 20
Communication	Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G		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 Rated operating conditions: based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and AC output voltage of 380 or 400 Vac.

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

DATASHEET

EverCore-(100-261)kWh-(30-75)kW-LV

Models	100kWh-30kW	100kWh-35kW	120kWh-30kW	120kWh-35kW	261kWh-60kW	261kWh-75kW
System						
Rated energy capacity	100.48 kWh		120.57 kWh		261.24 kWh	
Max. cycle rate	0.5 P					
Max. cycle efficiency ^①	89%					
Depth of charge and discharge	0 ~ 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) + 73 kg (Inverter)		2900 kg (Cabinet) + 170 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				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-EH3P30K-H-LV(21A)	S6-EH3P35K-H-LV(21A)	S6-EH3P30K-H-LV(21A)	S6-EH3P35K-H-LV(21A)	S6-EH3P60K10-LV-YD-H	S6-EH3P75K10-NV-YD-H
Rated output power	30 kW	35 kW	30 kW	35 kW	60 kW	75 kW
Max. apparent output power@On-grid	30 kVA	35 kVA	30 kVA	35 kVA	60 kVA	75 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	78.7 A / 75.3 A	91.8 A / 87.8 A	157.5 A / 150.6 A	196.8 A / 188.2 A
Max. apparent output power@Off-grid	1.5 times of rated power, 10 s; 1.6 times of rated power, 2 s				1.6 times of rated power, 10 s; 2 times of rated power, 200 ms	
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	60 kW	70 kW	120 kW	150 kW
Recommended max. PV array size	60 kW	70 kW	60 kW	70 kW	120 kW	150 kW
Max. input voltage	1000 V					
Rated voltage	600 V					
Start-up voltage	180 V					
MPPT voltage range	150 - 850 V				150 - 950 V	
Max. input current	3 × 42 A				10 × 42 A	
Max. short circuit current	3 × 60 A				10 × 60 A	
MPPT number / Max. input strings number	3 / 6				10 / 20	
Communication	Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G				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 Rated operating conditions: based on test conditions of 25 ± 2 °C, 0.5P charge/discharge rate, and AC output voltage of 220 or 230 Vac.

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