SolisStorage

EverCore

100-261kWh 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
- The battery cabinet is equipped with busbars inside, and multiple clusters of batteries can be connected in parallel **without the need for a DC combiner cabinet**
- The battery cabinet can be **flexibly matched** with (30-125)kW inverters
- 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
- **7 inch LCD display and bluetooth**, display the system operation data locally
- Supports **max. 200% PV oversizing**, maximizing solar energy utilization
- Supports **max. 160% overload** for 200ms in off-grid mode
- **<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
- UL9540A and IEC62933 certifications

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 261kWh ESS



w: solisstorage.com

t: +86 574 6580 2188 e: sales@solisstorage.com service@solisstorage.com

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		
Net weight	1500 kg (Cabinet) + 76 kg (Inverter)			1630 kg (Cabinet) + 76 kg (Inverter)				2950 kg (Cabinet) + 170 kg (Inverter)		
Operating temperature range	-25 ~ +55°C									
Storage temperature range	−20 ~ 45°C (< 1 month); 0 ~ 35°C (< 12 months)									
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; PRO model: Aerosol, Explosion relief valve, Fire water inlet, Audible and visual alarm, Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan									
Ingress protection	IP55 (Cabinet) + IP66 (Inverter)									
Anti-corrosion class	C5 (Cabinet) + C5 (Inverter)									
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	≥ 10000									
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 net weight	138 kg									
Inverter										
Inverter model	S6-EH3P 30K-H(21A)	S6-EH3P 40K-H(21A)	S6-EH3P 50K-H(21A)	S6-EH3P 30K-H(21A)	S6-EH3P 40K-H(21A)	S6-EH3P 50K-H(21A)	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		
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 Provided by battery cell manufacturer based on cell test condition of 25°C, 0.5P charge and discharge rate, 100% DOD and SOH = 60%.

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					
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	
Net weight	1500 kg (Cabinet) + 76 kg (Inverter)		1630 kg (Cabinet) + 76 kg (Inverter)		2950 kg (Cabinet) + 170 kg (Inverter)	
Operating temperature range	-25 ~ +55°C					
Storage temperature range	−20 ~ 45°C (< 1 month); 0 ~ 35°C (< 12 months)					
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; PRO model: Aerosol, Explosion relief valve, Fire water inlet, Audible and visual alarm, Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan					
Ingress protection	IP55 (Cabinet) + IP66 (Inverter)					
Anti-corrosion class	C5 (Cabinet) + C5 (Inverter)					
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	≥ 10000					
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 net 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-LV-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, 10 s	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. 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	30-35K: Standard: WIFI+LAN+Bluetooth, CAN-BMS×2, CAN-Parallel×2, RS485-Meter, RS485, DRM, DI×3, DO×3; Optional: 4G 60-75K: 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 Provided by battery cell manufacturer based on cell test condition of 25°C, 0.5P charge and discharge rate, 100% DOD and SOH = 60%.