SolisStorage

SolisStorage EverCore ESS

EverCore-(100-120)kWh-(30-60)kW-LV

EverCore-100kWh-30kW-LV

EverCore-120kWh-60kW-LV

5 Unique Advantages

- ★ **Uses advanced 314Ah EVE cells, delivering outstanding performance with long-term durability**
- ★ **Patented air-cooling design at pack level, ensure high consistent thermal management at cell level**
- ★ **15 Layers of escalating protection – from the cell, through the pack, to the entire system**
- ★ **Zero heat transfer between inverter and cells improves stability and extends lifespan**
- ★ **SolisCloud: Smart remote control, AI optimisation, and instant troubleshooting – all in one platform**

3 Leading Advantages

- <10ms transfer from on-grid to off-grid for uninterrupted power supply ①
- Flexible system expansion, up to 600kW/7.2MWh to meet growing energy needs ②
- Supports remote monitoring and OTA upgrades on the SolisCloud app

① Transfers between on-grid and off-grid in under 20 milliseconds when using multiple inverters in parallel.

② When inverters in parallel >6 units, use of a Solis power distribution cabinet is recommended.

GINLONG ENERGY STORAGE CO., LTD.

E-mail: sales@ginlong.com service@ginlong.com

ADD: No.57 Jintong Road, Binhai Industrial Park, Xiangshan, Zhejiang, China, 315712

DATASHEET

Models	EverCore-100kWh-30kW-LV	EverCore-120kWh-60kW-LV
System		
Rated energy capacity	100.5 kWh	120.6 kWh
Max. cycle rate	0.5 P	
Max. cycle efficiency ①	89%	
Usable energy capacity	90.5 kWh	108.5 kWh
Dimensions (W × H × D)	1240 × 2000 × 1540 mm	1350 × 2000 × 1540 mm
Dimensions (without inverter) (W × H × D)	950 × 2000 × 1540 mm	
Weight	1800 kg (Cabinet) + 73 kg (Inverter)	1940 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 Optional: Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan, Audible and visual alarm	
Ingress protection	IP55 (Cabinet) + IP66 (Inverter)	
Anti-corrosion class (Battery)	C4/C5 (Optional)	
Anti-corrosion class (Inverter)	C5	
Noise (rated operating condition)	70 dB @ 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
Rated voltage	320 V	384 V
Operating voltage range	280 ~ 360 V	336 ~ 432 V
Rated DC current	157 A	
Number of battery packs	5	6
Battery pack capacity	20.1 kWh	
Battery pack weight	140 kg	
Inverter		
Inverter model	S6-EH3P30K-H-LV	S6-EH3P60K10-LV-YD-H
Rated output power	30 kW	60 kW
Max. apparent output power@On-grid	30 kVA	60 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	157.5 A / 150.6 A
Max. apparent output power@Off-grid	1.6 times of rated power, 2 s	1.6 times of rated power, 10s; 2 times of rated power, 200 ms
Back-up switch time	< 10ms	
Power factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDi / THDv (@linear load)	<2% / < 3%	
Max. usable PV Input Power	60 kW	120 kW
Recommended max. PV array size	60 kW	120 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 × 40 A	10 × 42A
Max. short circuit current	3 × 60 A	10 × 60 A
MPPT number / Max. input strings number	3 / 6	10 / 20
Communication	CAN, RS485, LAN, Optional: Wi-Fi, Cellular	CAN, RS485-115200, Ethernet, Optional: Wi-Fi, Cellular, LAN
Max. parallel quantity (off-grid)	10	

① Rated operating condition: Based on test condition of 25±2°C, 0.5P charge and discharge rate, and the AC output voltage is 400 Vac.
② This is provided by the battery cell manufacturer. Based on test condition of 25±2°C, 0.5P charge and discharge rate and SOH=70%.