SolisStorage

SolisStorage EverCore ESS

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

EverCore-100kWh-50kW-NV

EverCore-120kWh-60kW-NV

EverCore-261kWh-125kW-NV

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
- ★ AI integration and VPP readiness enable dynamic tariff optimization, minimizing electricity expenses and unlocking additional revenue

3 Leading Advantages

- <10ms transfer from on-grid to off-grid for uninterrupted power supply ①
- Flexible system expansion, up to 1.25MW/15.66MWh 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-50kW-NV	EverCore-120kWh-60kW-NV	EverCore-261kWh-125kW-NV
System			
Rated energy capacity	100.5 kWh	120.6 kWh	261.2 kWh
Max. cycle rate	0.5 P		
Max. cycle efficiency ①	89%		
Usable energy capacity	90.5 kWh	108.5 kWh	235.1 kWh
Dimensions (W × H × D)	1240 × 2000 × 1540 mm		1750 × 2250 × 1450 mm
Dimensions (without inverter) (W × H × D)	950 × 2000 × 1540 mm		1350 × 2250 × 1450 mm
Weight	1800kg (Cabinet) + 73 kg (Inverter)	1940 kg (Cabinet) + 73kg (Inverter)	2500 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		75 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	1P260S
Rated voltage	320 V	384 V	832 V
Operating voltage range	280 ~ 360 V	336 ~ 432 V	728 ~ 936 V
Rated DC current	157 A		
Number of battery packs	5	6	13
Battery pack capacity	20.1 kWh		
Battery pack weight	140 kg		
Inverter			
Inverter model	S6-EH3P50K-H	S6-EH3P60K-H	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	1.6 times of rated power, 2 s		1.6 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	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 × 40 A	4 × 42 A	
Max. short circuit current	4 × 60 A		
MPPT number / Max. input strings number	4 / 8		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		

Preliminary

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%.