

DATASHEET

EverCore-(99.9-120)kWh, EverCore-(99.9-120)kWh-PRO

Model	EverCore-99.9kWh	EverCore-99.9kWh-PRO	EverCore-100kWh	EverCore-100kWh-PRO	EverCore-120kWh	EverCore-120kWh-PRO
System						
Rated energy	100kWh		100.48kWh		120.57kWh	
Usable energy*	99.9kWh		100.48kWh		120.57kWh	
Maximum cycle rate	0.5 P		0.5 P		0.5 P	
Rate DC power	50kW		50kW		60kW	
Max. charge power	50kW		50kW		60kW	
Max. discharge power	50kW		50kW		60kW	
System battery configuration	1P100S		1P100S		1P120S	
Normal voltage	320V		320V		384V	
DC voltage range	290~ 360V		290~ 360V		348~ 432V	
Depth of charge and discharge**	99.9%		100%		100%	
Dimensions (W*H*D)	950*2030*1540 mm		950*2030*1540 mm		950*2030*1540 mm	
Weight	Approx. 1500kg		Approx. 1500kg		Approx. 1630kg	
Operating temperature range	-25 ~-55		-25 ~-55		-25 ~-55	
Storage temperature range	0 ~-40		0 ~-40		0 ~-40	
Operating humidity range	≤ 95% (non-condensing)		≤ 95% (non-condensing)		≤ 95% (non-condensing)	
Maximum operation altitude	4000m		4000m		4000m	
System temperature control mode	Industrial-grade air-conditioning (Cabinet)Air cooling (Pack) Intelligent fan-cooling(Inverter)		Industrial-grade air-conditioning (Cabinet)Air cooling (Pack) Intelligent fan-cooling(Inverter)		Industrial-grade air-conditioning (Cabinet)Air cooling (Pack) Intelligent fan-cooling(Inverter)	
Fire suppression mode	Aerosol, Explosion relief valve , Fire water inlet, Audible and visual alarm	Aerosol,Explosion relief valve , Fire water inlet, Audible and visual alarm , Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan	Aerosol, Explosion relief valve , Fire water inlet, Audible and visual alarm	Aerosol,Explosion relief valve , Fire water inlet, Audible and visual alarm , Flammable gas detector, Explosion relief panel, Explosion-proof exhaust fan	Aerosol, Explosion relief valve , Fire water inlet, Audible and visual alarm	Aerosol,Explosion relief valve , Fire water inlet, Audible and visual alarm , Flammable gas detector, Explosion relief panel,Explosion-proof exhaust fan
Ingress protection	IP55		IP55		IP55	
Anti-corrosion class(Battery Cabinet)	C5		C5		C5	
Anti-corrosion class(Inverter)	C5		C5		C5	
Noise (rated operating condition)	70dB(A)@1m		70dB(A)@1m		70dB(A)@1m	
Lightning protection	Type II (AC port), Type II (PV&Battery)		Type II (AC port), Type II (PV&Battery)		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		Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection		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		IEC62619,IEC61000-6-2/4,IEC62040, IEC63056,IEC62477,UN38.3		IEC62619,IEC61000-6-2/4, IEC62040,IEC63056,IEC62477, UN38.3	
Country of manufacture	China		China		China	
Battery						
Cell type	LFP 3.2V/314Ah		LFP 3.2V/314Ah		LFP 3.2V/314Ah	
Cell cycle life***	8000		8000		8000	
Rated DC current at 0.5C	157A		157A		157A	
Number of battery packs	5		5		6	
Battery pack capacity	20.09kWh		20.09kWh		20.09kWh	
Battery pack weight	138kg		138kg		138kg	

Note : * Rated operating condition: At the beginning of life,25±2°C, 0.5P charge and discharge rate, and the energy storage cabinet auxiliary power is supplied by the grid.** The battery must be recharged within 1 day after being fully discharged to keep battery healthy.*** This is provided by the battery cell manufacturer. Defined with standard test condition: the battery is within 70%SOH, charge and discharge at a constant current (0.2C) and an ambient temperature at 25°C±2°C.