

Liquid-cooling Pack Solutions

Product Features and Advantages

Providing products as OEM/ODM

High Security

Use lithium iron phosphate (LiFePO4) cells with high thermal stability.
Thermal insulation material between battery cells, preventing heat difusion at temperatures up to 1000°C.
Fine-tuned fire safety design with internal fire suppression.
IP67 high safety protection level.

High Integration

Modular design to match container and cabinet energy storage.
Modular high energy density design for smaller size and lighter weight.

Long Lifespan

Equipped with advanced batteries of first-line battery suppli-
ers, the longest cycle life of the battery cell is 8000 Cycle.
Optimized flow channel design through thermal simulation
ensures a temperature difference of less than 3°C within a
single pack, ensuring cell stability and reliability.



Model		SE-BP-280L-1P48S	SE-BP-280L-1P52S
Cell type		LFP	
Cell capacity		280Ah	
Group configuration		1P48S	1P52S
Nominal voltage		153.6V	166.4V
Nominal capacity		43.008kWh(@25°C±2)	46.59kWh(@25°C±2)
Efficiency		≥94%	
Max. constant charging/discharging power		0.5P	
Nominal charging/discharging current		140A	
Range of operating voltage		129.6V ~ 172.8V	140.4V~187.2V
Max. range of working temperature	Charging	0°C ~ 55°C	
	Discharging	-30°C ~ 55°C	
Max. temperature of national standard full cycle battery cell		35°C	
Max. temperature difference of national standard full cycle battery cell		3°C	
IP rating		IP67	
Environment humanity		< 90%RH (non-condensing)	
Cooling method		Liquid cooling	
Weight		305kg	330kg
Dimension(W*D*H)		790mm×1065mm×245mm	790mm×1154mm×243mm
Fire safety configuration		Aerosol	
Maximum working altitude		2000m	
Cycle Life		8000	



CE

UN38.3

IEC61000

IEC62477

IEC62619

IEC63056

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Model	SE-BP-314L-1P48S	SE-BP-314L-1P52S	SE-BP-314L-1P104S
Cell type	LFP		
Cell capacity	314Ah		
Group configuration	1P48S	1P52S	1P104S
Nominal voltage	153.6V	166.4V	332.8V
Nominal capacity	48.23kWh(@25°C±2)	52.24kWh(@25°C±2)	104.49kWh(@25°C±2)
Efficiency	≥94%		
Max. constant charging/discharging power	0.5P		
Nominal charging/discharging current	157A		
Range of operating voltage	129.6V ~ 172.8V	140.4V ~ 187.2V	280.8V~374.4V
Max. range of working temperature	Charging 0°C ~ 55°C Discharging -30°C ~ 55°C		
Max. temperature of national standard full cycle battery cell	35°C		
Max. temperature difference of national standard full cycle battery cell	3°C		
IP rating	IP67		
Environment humanity	< 90%RH (non-condensing)		
Cooling method	Liquid cooling		
Weight	315kg	340kg	650kg
Dimension(W*D*H)	790mm×1065mm×245mm	790mm×1154mm×243mm	790mm×2170mm×245mm
Fire safety configuration	Aerosol		
Maximum working altitude	2000m		
Cycle Life	8000		



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