

Liquid-cooling Rack Solutions

• Product Features and Advantages

Providing products as OEM/ODM

• **Operational Assurance**

Two-tier battery safety management system.
Full coverage of critical sampling points, building a comprehensive IoT.
Real-time feedback control; fault diagnosis, real-time warning.
Triple protection, blocking the spread of risk in layers.

• **Flexible Configuration, High Compatibility**

Flexible configuration with standardized, modular design.
The PACK supports DC1500V platform.

• **Thermal Management System**

Advanced thermal management technology, from the cell to the battery module.
Through simulation and actual testing, controlling the temperature difference within the rack is within 4°C.



Model	SE-RC-280L-1P48S*5	SE-RC-280L-1P48S*8	SE-RC-280L-1P52S*5	SE-RC-280L-1P52S*8
Cell type	LFP			
Cell capacity	280Ah			
Group configuration	1P48S*5	1P48S*8	1P52S*5	1P52S*8
Nominal voltage	768V	1228.8V	832V	1331.2V
Nominal capacity	215kWh(@25°C±2)	344kWh(@25°C±2)	233kWh(@25°C±2)	373kWh(@25°C±2)
Efficiency	≥94%			
Max. constant charging/discharging power	0.5P			
Nominal charging/discharging current	140A			
Range of operating voltage	648V~864V	1036.8V~1382.4V	702V~936V	1123.2V~1497.6V
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	4°C			
IP rating	Pack: IP67			
Environment humanity	< 90%RH (non-condensing)			
Cooling method	Liquid cooling			
Weight	1835kg	2750kg	1960kg	2950kg
Dimension(W*D*H)	918mm×1138mm×1692mm	918mm×1138mm×2472mm	918mm×1158mm×1692mm	918mm×1158mm×2472mm
Fire safety configuration	Aerosol			
Maximum working altitude	2000m			
Cycle Life	8000			



CE UN38.3

IEC61000 IEC62477
IEC62619 IEC63056

This product sheet is as comprehensive and detailed as possible based on existing information.
The company reserves the right to modify data, parameters and other information.

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Model	SE-RC-314L-1P48S*5		SE-RC-314L-1P48S*8	SE-RC-314L-1P52S*5	SE-RC-314L-1P52S*8
Cell type	LFP				
Cell capacity	314Ah				
Group configuration	1P48S*5	1P48S*8	1P52S*5	1P52S*8	
Nominal voltage	768V	1228.8V	832V	1331.2V	
Nominal capacity	241kWh(@25°C±2),0.5P	385kWh(@25°C±2),0.5P	261kWh(@25°C±2),0.5P	418kWh(@25°C±2),0.5P	
Efficiency	≥94%				
Max. constant charging/discharging power	0.5P				
Nominal charging/discharging current	157A				
Range of operating voltage	648V~864V	1036.8V~1382.4V	702V~936V	1123.2V~1497.6V	
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	4°C				
IP rating	Pack: IP67				
Environment humanity	< 90%RH (non-condensing)				
Cooling method	Liquid cooling				
Weight	1885kg	2830kg	2010kg	3030kg	
Dimension(W*D*H)	918mm×1138mm×1692mm	918mm×1138mm×2472mm	918mm×1158mm×1692mm	918mm×1158mm×2472mm	
Fire safety configuration	Aerosol				
Maximum working altitude	2000m				
Cycle Life	8000				



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