

Liquid-cooled PACK

ECO-P1P52LS



Brief

The liquid-cooled PACK consists of standard 280Ah LFP cells, grouping in 1P52S. With built-in BMU, HV connectors, liquid cooling plate module, fixed structural components, these accessories enable the PACK module to have protection functions such as overvoltage, undervoltage, overcurrent, insulation, short circuit, and overheat. Combined with PCS, it achieves energy charge and discharge.

Features



Excellent Performance
Laser welding for excellent cells consistency and superior charging/discharging performance.



High Integration
High energy density, built-in BMU monitoring the cell status in real-time



Safe and reliable
The cells temperature difference less than 3°C.



Flexible Configuration
Standard & modular design, on-demand flexible expansion.



Long Cycle Life
Over 8,000 times cycle life and a designated lifespan of up to 10 years.



Advanced Protection
IP65 protection level, meeting various scenarios.

Specifications

ECO-P1P52LS	
Cell Type	LFP
Rated Capacity	280Ah
Grouping	1P52S
Rated Energy	46.59kWh (rated conditions)
Rated Voltage	166.4Vdc
Recommended Operating Voltage	145.6-187.2Vdc (individual battery cell 2.8-3.6Vdc)
Rated Charge/Discharge Rate	0.5P
Cooling	Liquid Cooling
Cycle Life	≥8,000 times
Storage Environment	0~35℃, RH≤95%
Operating Temperature	-25℃~50℃
Ingress Rating	IP65
Dimensions (W*D*H)	812*1132*238mm
Weight	330kg
Compliance	UN38.3, IEC62619, UL1973, CE-EMC and UL9540