

Battery Pack Series

LFP Battery Pack Air Cooling 0.5C/1C



 **Mature technology**

 **Affordable cost**


 **Easy to maintain**


Product Model	Pack Series			
Batteries				
Battery Pack Configuration	1P16S		1P20S	
Battery Pack Energy	14.336kWh		17.92kWh	
Nominal Battery Rack Voltage	768VDC			
Battery Type	LiFePO4 3.2V/280Ah			
Battery Rack Configuration	1P240S			
Battery Rack Voltage Range	672-852VDC			
Charging/Discharging Current	140A	280A	140A	280A
Battery Disconnect	Integrated			
Cooling concept of Battery Pack	Air Cooling			
General Parameters				
Battery Pack Dimension WxDxH	476x792x231mm		466x936x231mm	
Charge/Discharge Rate	0.5C	1C	0.5C	1C
Depth of Discharge	80%			
Life Cycle	6000			
Degree of Protection	IP54			
System Efficiency	~90%			
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)			
Allowed Relative Humidity	0 ~ 95%			
Battery Pack Weight	~114kg		~134kg	
Monitoring				
Communication	RS485/Ethernet			
Communication Protocols	MODBUS-RTU/MODBUS-TCP			
Certifications				
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG			
Battery Pack	CE, UN38.3, MSDS			
Battery Rack	CE, UN38.3, MSDS			


Battery Pack Series

LFP Battery Pack Liquid Cooling 0.5C/1C



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Great flow channel design optimized through thermal simulation technology
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Uniform temperature temperature difference within 3°C, ensuring stability and reliability
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Pack-level fire protection design

Product Model	Pack Series							
Batteries								
Battery Pack Configuration	1P48S		1P52S		1P60S			
Battery Pack Energy	43.008kWh		46.592kWh		53.76kWh			
Nominal Battery Rack Voltage	832VDC		832VDC		768VDC			
Battery Type	LiFePO4 3.2V/280Ah							
Battery Rack Configuration	1P240S		1P260S		1P240S			
Battery Rack Voltage Range	672-852VDC		728-936VDC		672-852VDC			
Charging/Discharging Current	140A	280A	140A	280A	140A	280A		
Battery Disconnect	Integrated							
Cooling concept of Battery Pack	Liquid Cooling							
General Parameters								
Battery Pack Dimension WxDxH	810x1160x250mm		810x1160x250mm		790x1371x250mm			
Charge/Discharge Rate	0.5C	1C	0.5C	1C	0.5C	1C		
Depth of Discharge			95%					
Life Cycle	8000		8000		6000			
Degree of Protection	IP65							
System Efficiency	~91%							
Cooling Liquid	50% Ethylene glycol+50% Water							
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)							
Allowed Relative Humidity	0 ~ 95%							
Battery Pack Weight	~330kg		~350kg		~430kg			
Monitoring								
Communication	RS485/Ethernet							
Communication Protocols	MODBUS-RTU/MODBUS-TCP							
Certifications								
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG							
Battery Pack	CE, UN38.3, MSDS							
Battery Rack	CE, UN38.3, MSDS							



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