



Ultra-Fast Charging

Power Unit (RPC)

Product Description

A high-performance EV charger power unit converts grid AC into stable DC energy using modular architecture. It delivers high efficiency, intelligent power distribution, and real-time control with advanced safety systems. Optimized for coastal environments, it supports integration with grid, ESS, and solar PV, enabling scalable, reliable, and fast multi-vehicle charging.

Product Features



Ultra-fast DC charging



Liquid Cooling



IP 55 protection



Smart Energy Distribution



Grid Supported



Good for Harsh logistics environment

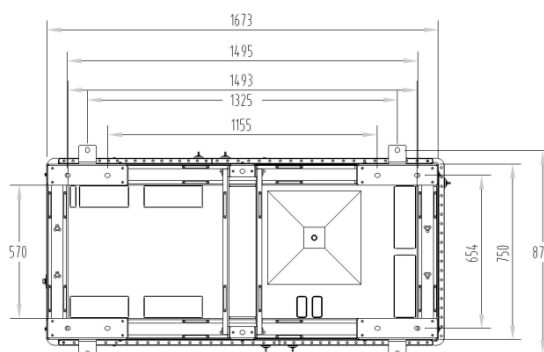
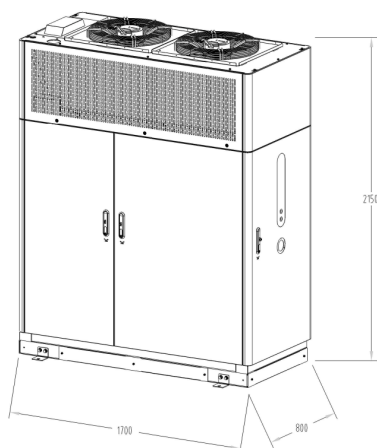


High utilization with efficiency 96%



Compatible with all types of EV cars & Trucks

Product Dimensions



Power Unit (RPC)

Technical Specification

Basic Specification					
Model	DS720-720LEUA5				
Power Configuration (AC/DC-DC/DC)	720kW-720kW	600kW-720kW	480kW-600kW	240kW-360kW	240kW-720kW
Dimensions (W x D x H)	800 × 1,700 × 2,150 mm				
Weight (including coolant)	1500kg	1500kg	1400kg	1250kg	1350kg
Installation Mode	Floor-mounted				
Efficiency (Maximum)	96%				
Cooling	Liquid cooling				
IP Rating	IP55				
Communication Interface	4G,Ethernet(Northbound communication)				
Standby Power ¹	45W				
Input					
Rated Input Voltage	400Vac±10%Vac, three-phase five-wire system				
Rated Frequency	45-66 Hz				
Rated Input Current	≤1117 A	≤931 A	≤745 A	≤373 A	≤373A
Input Module	120kW AC/DC liquid-cooled module				
Power Factor	≥0.99 (Load≥50%)				
THDi	≤5% (Load≥50%)				
Output					
Output Voltage	150~1000 Vdc				
Output Module	60kW DC/DC liquid-cooled module				
Current Ripple	≤ 1.5A @frequency<10Hz; ≤ 6A@frequency<5000Hz; ≤ 9A@frequency<150kHz				
Voltage Ripple	≤ ±5V				
Charging Connector Number	Max. 12	Max. 12	Max. 10	Max. 6	Max. 12
Environmental					
Operating Temperature	-35°C to +50°C				
Storage Temperature	-40°C to +70°C				
Altitude	≤4000m				
Relative Humidity	5%~95% (Non-condensing)				
Noise	≤ 55 dB(A)@25°C (silent Mode)				
Compliance					
IEC 61851-1, IEC 61851-23, IEC 61851-21-2					

1. Not enable the reactive power compensation function.

