EG ELECTRONICS

EGE HIGH VOLTAGE CHARGING PDU

APPLICATION

Electric vehicle, AC and DC high voltage high current charger, charging pile and the car charging interface, installation and charging pile or car end, used to do charging access port. Integrated circuit charging protection system

DESCRIPTION

FUNCTIONAL MODULE	MODULE COMPONENT DESCRIPTION
DC charging	Charging station charging pile DC fast charge
AC charging	Self charge, slow charge
Power parameter state detection	Parameters such as current, voltage, temperature, current and so on.
Charging safety protection	Relay, anti high current and voltage damage, waterproof, current leaking
Against Fall off, hot plug	With self locking and clamping device, and achieve the locking tracking and feedback detection

PRODUCT MANUAL

- Metal shell, flexible production, low cost, good protective performance, light weight and good structural strength
- Forex paste inside the box to improve insulation
- Designed with busbar solution make the product with low temperature rise, good heat dispassion, electric conductive better and installation easily
- Variety of busbars, connector solutions meet customer requests
- This product can be designed and manufactured and manufacture according to customer's requirements, including the Logo.

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INTERFACE SPECIFICATION

INTERFACE (OPTIONAL)	PARAMETER	
Signal Voltage	9V~16V	
Operating Voltage	250~620 VDC	
Operating temperature	-40° C~85° C	
Charging interface	Fast charge	500 VDC 125A
	Fast charge	220 VDC 30A
OBC interface	15A	
Communication Interface	10A	
Output interface	Connected to PDU distribution box	

PERFORMANCE PARAMETERS

Protection class		IP55
Shielding		50db@100MHz
Environmental Testing	Water-proof test	IPX5
	High Temperature Test	85° C 72H
	Low Temperature Test	-40°C 72H
	Salt spray test	48H
	Constant moisture test	5 to 85% R.H.
Electrical Testing	Insulation test	20MΩ 1000V DC/300MΩ 1000V DC
	Voltage withstand test	4000V AC 60 Sec.10mA
	Conductive test	3V DC 0.1A
Mechanical testing	Vibration test	30 {3G} 5-55Hz 1-2mm,55-500Hz 30mm
	Shock test	110 {50G} 4ms IK10
Weight		12KG±10%

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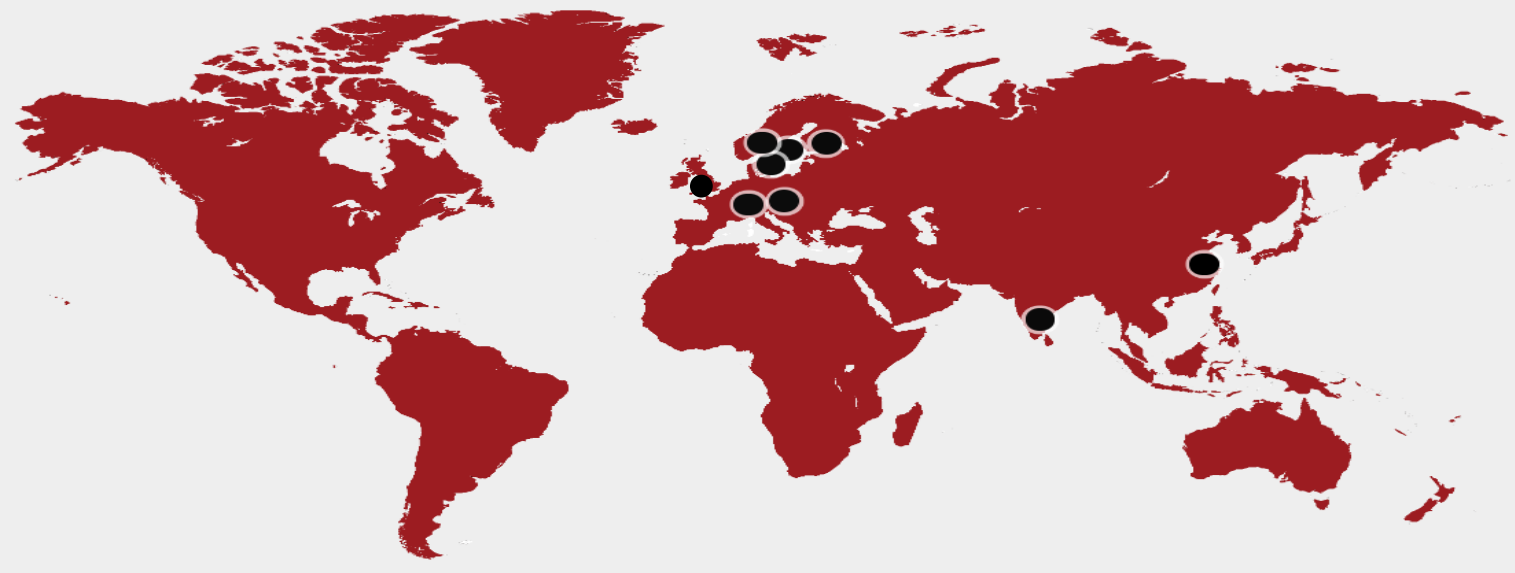
CONTACT US



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