

EGE HIGH VOLTAGE BUS PDU

▶ APPLICATION

Buses, special vehicles such as pure electric, hybrid, fuel cell and other new energy vehicles.



▶ DESCRIPTION

FUNCTIONAL MODULE	MODULE COMPONENT DESCRIPTION
Power Distribution	Busbar component design, fast heat dissipation, highly efficient energy transmission
Power Distribution Protection	Protection with fuses, monitoring systems
Current and Voltage data collection	Collector, auxiliary equipment use more safety
Precharge	Power resistance, anti-surge, pulse
Power Distribution Control	Realized by high voltage relays which make a safe and reliable energy conversion
Communication function	CAN communicate with bus in real-time.
Insulation detection	Leakage of current can be cut off quickly

▶ PRODUCT MANUAL

- Realize the function of power distribution control. It make installation simple, maintenance convenient and manufacturing very fast.
- Shell with aluminium alloy die-casting provide water proof protection, rust against protection (finish process bright silver oxidation).It's light weight, strength very good and good appearance
- 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.

EGE HIGH VOLTAGE BUS PDU

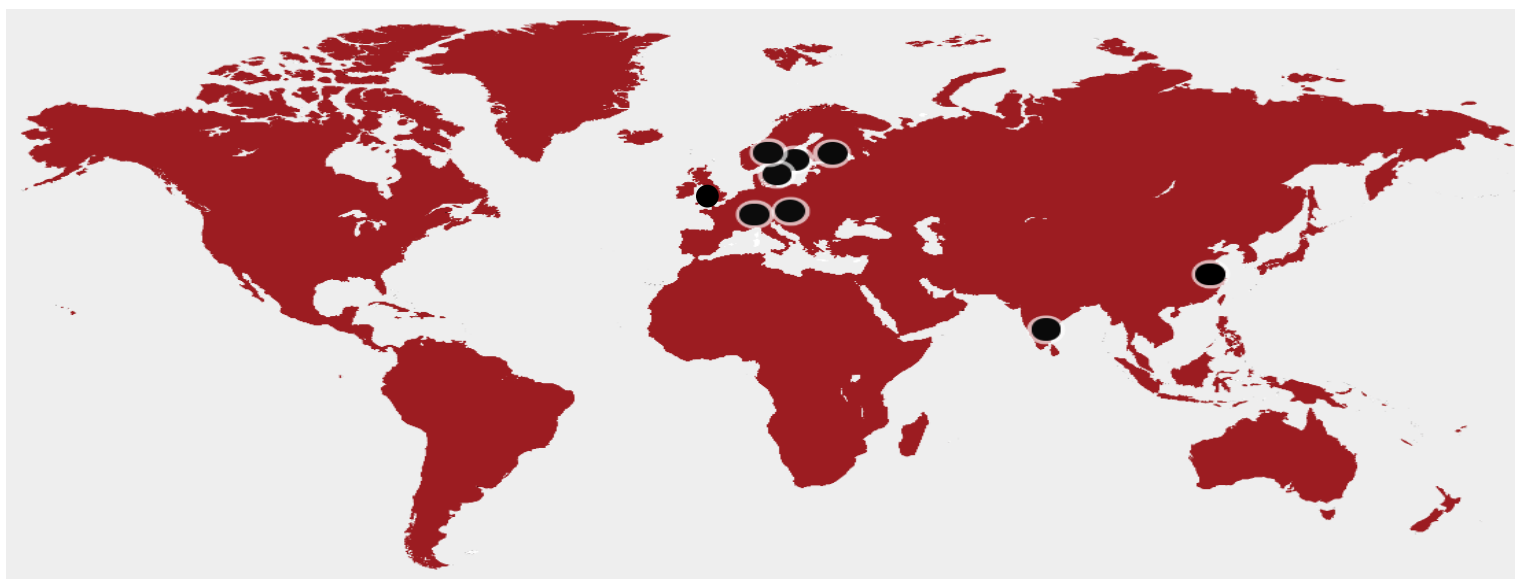
▶ INTERFACE SPECIFICATION

INTERFACE (OPTIONAL)	PARAMETER	
Signal Voltage	21V~28V	
Operating Voltage	480~620 VDC	
Operating temperature	-40° C~85° C	
Battery Interface	300A	
Charging interface	Fast charge	690 VDC 125A
	Fast charge	690 VDC 250A
Air conditioning interface	20A	
Defrost Interface	10A	
PTC / heating interface	5A	
Pneumatic pump Interface	10A	
Hydraulic pump port	10A	
Steering Pump Interface	10A	
DC/DC Interface	10A	
Communication Interface	0.5~4A	
MCU	300A	
Auxiliary Interface	10A	
MSD	FU 350A~ 500A	

▶ PERFORMANCE PARAMETERS

Protection class		IP67
Shielding		50db@100MHz
Environmental Testing	Water-proof test	IPX7
	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	500 {50G} 4ms IK10
Weight		15KG±10%

CONTACT US



Sweden

Headquarters
Fagerstagatan 3
SE-163 53 Spånga
+46 8 759 35 70

Denmark

EG Electronics AB
World Trade Center Ballerup
Borupvang 3
DK-2750 Ballerup
+45 43 43 50 00

China

Headquarters
EG Shanghai
Room 507, building 3, No 100, Lane
2891, South Qilianshan Road, Putuo
District, CH-200331, Shanghai
+86 (0)21 5213 0077

Finland

Headquarters
Kylvöpolku 6
FI-00680 Helsinki
+358 20 752 87 00

Germany

Headquarters
Lise-Meitner Strasse 21
72202 Nagold
+49 176 20336008

India

Headquarters
EG Power Electronics
#9 Ganapathy Colony
Thiru Vi Ka Industrial Estate, Guindy
IN-600 036 Chennai
+91 40 4255 0814

Norway

Headquarters
EG Electronics AB
Hoffsveien 17
N-0275 Oslo
+47 23 25 46 00

England

Headquarters
2nd Floor Suite Lorna House
103 Lorna Road
Brighton, BN3 3EL
+44 1273 359749

Others

Please contact our Swedish Office
for more locations

sales@egelectronics.com
www.egelectronics.com

Product Disclaimer Notice

EG Electronics makes no warranty, representation, or guarantee regarding the information contained or the suitability of its products, product information and services for any particular purpose. EG Electronics assumes no liability whatsoever arising out of the application or use of a product untested in the Buyers application. The products sold hereunder and any other products sold by EG Electronics have been subject to limited testing and products considered for mission-critical equipment or applications need further tests unless otherwise advised of their suitability. Any performance specifications are believed to be reliable but not verified, and the Buyer must conduct and complete all performance and testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by EG Electronics. It is the Buyer's responsibility to determine the suitability of any products independently and to test and verify the same. The information provided by EG Electronics hereunder offered "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. EG Electronics does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether concerning such information itself or anything described by such information. Information provided in this document is proprietary to EG Electronics. EG Electronics reserves the right to make any changes to information or documentation at any time without notice.