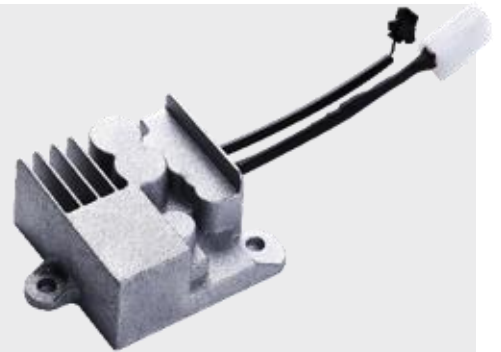




Description

Powerland's "Iron" series 84~130W non-isolated DC/DC converters are designed with compact size, low cost, high efficiency and high reliability. Featured with a fully sealed mechanical structure and 12V/10A, 5V/2A dual output, this series offers solid and safe power conversions on electrical bike, electrical motorcycle and other DC/DC applications.



Applications

- E-bike
- E-motorcycle
- Other DC/DC systems

Features

- Wide Input Voltage
- Non-isolated Input / Output Design
- Ultra High Efficiency
- High Reliability
- Natural Cooling
- Operating Temperature: -20~50°C
- IP65 Ingress Grade

Specifications

Model	PLD125-EVDN10-12	PLD125-1DCF56A-12	PLD125-EVDC02-15
Output Voltage	12Vdc&5Vdc	12Vdc&5Vdc	14.8Vdc&5Vdc
Output Current	8A/2.0A(Continuous) 10A (Peak@5min.)	8A/2.0A(Continuous) 10A (Peak@5min.)	8A/2.0A
Output Power	106W(Continuous) 120W(Peak@5min.)	106W(Continuous) 120W(Peak@5min.)	130W
Max. Input Current	4.5A	4.5A	5A
Input Voltage	36~72Vdc	36~100Vdc	32-90Vdc
Efficiency	36V: 89.5% 72V: 86.0%	36V: 86.5% 72V: 81.5%	84V: 91%
Protections	SCP/OTP/OCP	SCP/OTP/OCP	Input UVP/output UVP/OVP/SCP /OTP/RCP
Ingress Protection	IP65 (except connector)	IP65	IP65 (except connector)
Operation Temperature	-20~40°C	20~40°C	-30~50°C
Max. Case Temperature	98°C	98°C	80°C
Cooling	Natural Cooling	Natural Cooling	Natural Cooling
EMI	-	-	EN55032 A
Dimensions (LxWxH)	89.5x69x40.1mm	89.5x69x38.4mm	102x82x41mm
Weight	250g	258g	683g