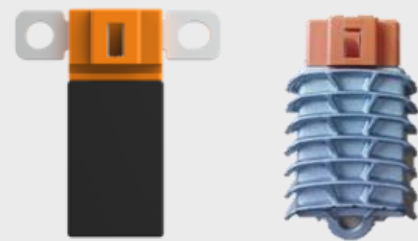




Description

Powerland's "Nano" series 94W non-isolated DC/DC converters are designed with high efficiency and high reliability, small size and lower cost. Compared with main DC/DCs on the market, the weight is reduced by 80%, the volume by 70%, the energy consumption by 50%, while the cost is saved by 40%. This series supports optional enable function and optional 5V function.



Applications

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

Features

- Wide Input Voltage : 36~92Vdc
- Compact Size
- Ultra High Efficiency
- High Reliability
- Non-isolated Input / Output Design
- Cost-effective
- Natural Cooling
- IP65 Ingress Grade
- Optional Enabled Function
- Optional 5V Output

Specifications

Model	PLD080-EVGY01-12	PLD125-1DCF55-12
GWP Model	EVD-54-94-D12-5-MET	EVD-54-94-D12-5-STD
Output Voltage	12Vdc&5Vdc	12Vdc&5Vdc
Output Current	6A/1.5A(Continuous) 8A (Peak@6min.)	5A/1.0A(Continuous) 7A (Peak@5min.)
Output Power	79.5W(Continuous) 96W(Peak@6min.)	65W(Continuous) 84W(Peak@5min.)
Max. Input Current	3.2A	3.6A
Input Voltage	36-80Vdc	27~80Vdc
Efficiency	36V: 94.5% 72V: 93.5%	36V: 94.5% 72V: 93.5%
Protections	SCP/OTP/OCP	SCP/OTP/OCP
Ingress Protection	IP67 (except connector)	IP67 (except connector)
Operation Temperature	-33~70°C	-20~50°C
Max. Case Temperature	120°C	120°C
Cooling	Natural Cooling	Natural Cooling
Dimensions (LxWxH)	50 x 23.1 x 24.2mm	69 x 32.1 x 23.2mm
Weight	56g	36g