

125W DC/DC Converter Dual Output Data Sheet



Green Watt Power’s 125W DC/DC power modules are designed with compact size, low cost, high efficiency and high reliability. Featured with non-isolated mechanical structure and 12V/10A and 5V/2A dual outputs, this series offers solid and safe power conversions on electrical bike, electrical motorcycle and other DC/DC applications.

Features:

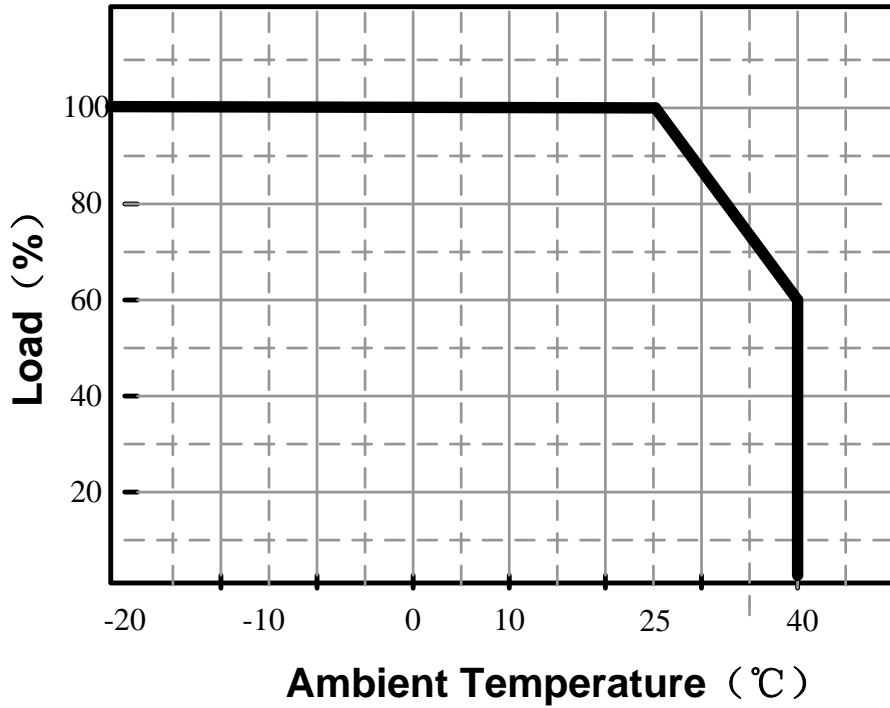
- Wide Input Voltage: 36~72Vdc
- Output Voltage: 12Vdc & 5Vdc
- High Reliability
- High Efficiency up to 88.5%
- Short Current Protection
- Natural Cooling
- Operating Temperature: -20~40°C
- IP65 Ingress Grade (Module only)



General Specifications	
Model	EVD-60-125-D12-5 (PLD125-EVDN10-12)
Output Voltage	12Vdc & 5Vdc
Output Current	10A & 2A
Output Voltage Accuracy	±5%
Output Power	125W
Input Voltage	36~72Vdc
Max. Input Current	4.5A
Efficiency (Low Voltage) Typical	88.5% @36Vin
Efficiency (High Voltage) Typical	82.0% @72Vin
Protections	SCP
Ingress Protection	IP65 for module, IP20 with connector
Operation Temperature ^[3]	-20~40°C
Cooling	Natural Cooling
Dimensions (LxWxH)	89.5x69x40.1mm
Hi-pot	Input & output to Case: 800Vac / 5mA Max / 60 seconds (3 seconds for production)
Isolation	Non-isolated
Weight	0.2kg
Output Short Circuit Protection	When output is shorted, the power supply will enter hiccup mode, and will self-recover when the fault condition is removed.
MTBF	The MTBF shall be at least 200,000 hours at 25oC, Rated input, and full load output.
Life Time	The life time shall be at least 15,000 hours at 25oC, Rated input, and full load output.

Notes: Specification is subject to change without notice. Model in parenthesis is factory number.

Derating Curve:



Mechanical:

