



Description

This product is a DC to DC, dual output converter with an input voltage of 36-72Vdc and an output power of 120W. It has the characteristics of high efficiency and high reliability.



Applications

- E-bicycles

Features

- Input voltage: 27~80Vdc
- Output power: 120W
- Working temperature: -20~40 °C
- Waterproof grade: IP67
- High efficiency
- High reliability
- Metal shell
- Compliant with standard: GB/T 17626.2

Specifications

Model	PLD120-DX01-01210NEM	
Input Voltage	27V~80V, Typ.36~72V	
Input Current	3.8A	
Output voltage	11.4~12.6A	
Efficiency	Low pressure section efficiency	Min: 94.5% Typ: 95.5% @36Vdc, 25°C, 12V/10A
	High pressure section efficiency	Min: 93.5% Typ: 94.5% @ 72Vdc, 25°C, 12V/10A
Start time	<150ms @ input 36Vdc/72Vdc & output rated load	
Output overshoot/undershoot	<10% @ input 36Vdc~72Vdc & output rated load	
Output rise time	<60ms @ input 36Vdc~72Vdc & output rated load Note: The rise time is the time it takes to measure the output voltage from 10% to 90%	
Output load transient response	Load changes from 0% to 100%, the output voltage is between 10.8V and 13.2V	
Protection	OVP,NTC,SCP	
Operating temperature	-20°C ~ 40°C	
Operating humidity	10% RH ~ 95% RH	
Storage temperature	-30°C ~ 80°C	
Ingress Grade	IP67	
MTBF	at least 2000 hours@ 25°C, rated input, full load	
Life Time	at least 2000 hours@ 25°C, rated input, full load	
Regulatory	A) Dielectric Strength(Hi-pot) Input to CASE: 500Vac / 5mA max / 60s (3s for production) B) GB/T 17626.2: ESD 15kV air discharge, 8kV contact discharge, Criteria A	
Dimensions (LxWxH)	69.1*44.1*29.7mm	