



## Description

Powerland 115W switching power supply is a DC to DC, dual output converter with high efficiency and resistance to high and low temperatures.



## Applications

- E-bicycles

## Features

- Universal input voltage: 30-72V
- Output power: 115W
- Output overcurrent protection/short circuit protection/NTC resistance
- Complies with GB/T 17626.2 standard
- Output voltage: 12.0-24.4V
- Efficiency: 93%
- IPx5 waterproof grade
- Metal shell

# Specifications

Model	PLD115-DX01-01206
Output Voltage	12.0-24.4V
Load Range	0.1A~8A/0.1A~1.8A
Output Voltage Range	12.0V~12.6V&25°C/ 23.8V~24.4V&25°C
Efficiency	93%
Output Power	115W
Input Voltage	30-60Vdc Max:72Vdc
Max. Input Current	3A,@48Vdc, output full load
Standby Power	<20mA,@ 48Vdc&25°C <1.1mA,@ 48Vdc&25°C
Output Overshoot/Undershoot	<10% @ 30~72Vdc input Voltage&rated load
Start Time	<200ms@ 30~72Vdc, rated load
Rise Time	<100ms@30~72Vdc, rated load
Protections	SCP、NTC、OVP
Ingress Protection	IPx5
Working Temperature	-20~40°C
Max. Case Temp.	25°C
Storage Temperature	-40°C~85°C
Storage Humidity	5% RH to 95% RH
Product Life	7300h@ 25°C, rated input&full load
Burn-in	2h, @40°C±2°C, 60V&rated load 100%
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 B
Dimensions (LxWxH)	126.2X59X18.7mm