



## Description

This product is a DC to DC, dual output converter with an input voltage of 36-80Vdc and an output power of 132W. It has the characteristics of high efficiency and high reliability.



## Applications

- E-bicycles

## Features

- Input voltage: 36~80Vdc
- Output power: 132W
- Working temperature: -33~40 °C
- Waterproof grade: IPx3
- High efficiency
- High reliability
- Metal shell
- Compliant with standard: GB/T 17626.2

# Specifications

Model	PLD132-DX01-03304NNM	
Input Voltage	36V~80V, Typ 60V	
Input Current	3A @ 48Vdc, output full load	
Output Voltage	32.5V~34V	
Efficiency	Low pressure section efficiency	Min: 94.5% Typ: 96.0% @48Vdc, 25°C, 33V/3A&33V/1A
	High pressure section efficiency	Min: 93.0% Typ: 94.5% @ 72Vdc, 25°C, 33V/3A&33V/1A
Standby Power	Output 1:<20mA@ 0 load <30mA@ load 10mA Output2: < 1.1mA@ 0 load < 12mA@ load 10mA	@Input 48Vdc& 25 °C
Start Time	<100ms @ input 36Vdc~80Vdc & output rated load	
Output Overshoot/Undershoot	<10% @ input 36Vdc~80Vdc & output rated load	
Output Rise Time	<50ms @ input 36Vdc~80Vdc & 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 30V and 35V@ 40-80Vdc input.	
Protection	OVP,NTC,SCP	
Operating Temperature	-33°C ~ 40°C	
Operating Humidity	10% RH ~ 95% RH	
Case Temperature	Max temperature rise ≤ 55K, @full load, 48Vdc , 25°C	
Ingress Grade	IPX3	
MTBF	at least 7,300 hours@ 25°C, rated input, full load	
Life Time	at least 7,300 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)	91.7*45.4*42.7mm	