

## Descriptions

Powerland's 110/160/210W Li-Ion battery chargers are designed with ultra high efficiency, as well as full plastic case enclosure without fan. The extraordinary performances of low power dissipation and water proof provide the chargers high reliability and super long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-bikes, e-motorcycles, e-boat, e-machines, etc.



## Features

- Input Voltage: 180~265Vac
- Output Power: 110~210W
- Ultra High Reliability
- High Efficiency: Up to 94%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP, RBC
- Timer Off Function
- Vout-Peak ≤ 42.4V @ No Load
- Low Temperature Start Up @ -20°C
- High Temperature Full Load Operation @ 50°C
- IP54 Ingress Grade
- Metal (DZLS03 Series) or Plastic Case (DZLS06 Series) Optional
- Meet GB17761-2018



## Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD110-DZLS05-54020	110W	26~54.6V	2.0A	95~105%Io
PLD160-DZLS06-54030	160W	26~54.6V	3.0A	95~105%Io
PLD210-15CH06-A	216W	26~54.6V	4.0A	95~105%Io
PLD210-DZLS03-71030	216W	34~71.4V	3.0A	95~105%Io

## Electrical Specifications

Model	PLD110-DZLS05-54020	PLD160-DZLS06-54030	PLD210-15CH06-A	PLD210-DZLS03-71030
Output Voltage	26~54.6V	26~54.6V	26~54.6V	34~71.4V
Output Current	0.35A@26~38V 2.0A@38~54.6V	1.0A@26~38V 3.0A@38~54.6V	1.0A@26~38V 4.0A@38~54.6V	1.0A@34~48V 3.0A@48~71.4V
Max. Output Voltage	42.0V	54.6V	54.6V	71.4V
Output Voltage @ Open Circuit	<42V@RMS			
Current Accuracy	± 5%			
Voltage Accuracy	± 0.5%			
Output Power	160W	110W	216W	216W
Input Voltage	180~265Vac			
Input Frequency	47~63Hz			
Max. Input Current	2.0A	1.3A	2.8A	2.8A
Max. Input Power	185W	130W	250W	250W
Efficiency	92.5%	90.5%	94%	94%
Protections	OVP, OCP, SCP, OTP, RCP, RBC, Timer, Auto Off @ No Load			
Ingress Protection	IP42		IP54	
Case Material	Plastic		Metal,	
Working Temperature	-10~45°C		-20~45°C	
Cooling	Natural Cooling			
Max. Case Temperature	<55°C@25°C Ambient Temperature			
Surge Protection	1kV DM			
Isolation	Primary to Secondary: 3750Vac/10mA max./60s			
Dimensions (LxWxH)	171.4x86.4x51.5mm		177x84x51mm	194x88x51mm
Weight	1.0kg		1.2kg	1.4kg

\* Unless otherwise noted, the data are based on 25°C ambient temperature, 230Vac input voltage and full load.