



## Description

Powerland's "Marble" series 300W isolated DC/DC is a ruggedized DC-DC converter suitable for electric vehicles, marine, industrial, and other similar applications that draw power from a bank of batteries or other high DC voltages. It is used to supply power to accessories, lights, instruments, etc.



## Applications

- E-bike
- E-motorcycle
- Other DC/DC systems

## Features

- Fully Isolated
- High Reliability
- High Efficiency 93%
- Parallel Connection (up to 10 units)
- Over Voltage Protection
- Short Circuit Protection
- Over Temperature Protection
- Input Reverse Polarity Protection
- Enable/Remote On/Off
- Very Low Quiescent Current
- IP67 Rating Enclosure
- RoHS Compliant
- Compact design 144/190mm x 76mm x 45mm
- Available with Molex connector or Flying Leads

# Specifications

Model	PLD300- EVDC11-13W	PLD300- EVDG11-13	PLD300- EVDG13-13	PLD300- EVDG13-13W	PLD300- EVDG03-24W	PLD300- EVDG03-27W
<b>GWP Model</b>	EVD-80-300-13F	EVD-80-300-13	EVD-48-300-13	EVD-48-300-13F	EVD-80-300-24F	EVD-80-300-27F
<b>Output Voltage</b>	13.5V				24V	27.5V
<b>Output Current</b>	23A				12.5A	11A
<b>Output Power</b>	300W					
<b>Input Voltage</b>	50~130V	50~126V	30~65V			50~130V
<b>Efficiency</b>	93%					
<b>Protections</b>	UVLO, APT,OVP,OTP,OCP,SCP					
<b>Parallel Connect</b>	Up to 10 units max.					
<b>Ingress Protection</b>	IP67					
<b>Working Temperature</b>	-40~85°C					
<b>Cooling</b>	Natural Cooling with Plate					
<b>Max. Case Temperature</b>	85°C					
<b>EMI</b>	EN55022 Class A, EN55032 Class A					
<b>Isolation</b>	Primary to Secondary: 1500Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s					
<b>Dimensions (LxWxH)</b>	190x76x45mm					
<b>Weight</b>	1.2kg					