

POWER POD *Portable Power Station*

DR-PPS102542FL01



Product Introduction

This portable power station features a 2kWh capacity and 1000W pure sine wave AC output. Equipped with dual charging inputs (AC+SOLAR PV),it provides versatile including Type-C,USB and DC5521 12Vports. Built with premium LiFePO4 battery cells for enhanced safety and durability.

Features and Functions

- Integrated design
- Single-cell boost technology, first-level boost
- PV wide voltage input range
- Multiple output ports, USB Type-A/Type-C/DC5521
- Power switching function, switching time 20mS
- Lithium iron phosphate battery cell, with a long service life of 8,000 cycles @ 80% DOD

PowerPod

Model		DR-PPS102542FL01
Rated Output Power		1000W
AC Input		
Nominal AC Input Voltage/Waveform		220/230Vac/Pure Sine Wave
Input Frequency Range		45~65Hz
Max. charging power		1000W
AC Input Range		90-280Vac
PV Input		
Max. PV Input Power		550W
PV Input Voltage Range		11~55Vdc
PV Input Max. Current		15A
AC Output (EPS)		
Output Voltage Waveform		Pure Sine Wave
Output Voltage&Frequency		230Vac±5V/50Hz
Peak Efficiency		≥85%
Overload Protection		Latch output@<170Vac*
Output Power Factor		＞0.99
Battery Parameters		
Battery Type		LFP
Rated Voltage		6.4Vdc
Operating Voltage Range		6.0V-7.3Vdc
Charging Voltage		7.2Vdc
Battery Capacity/Energy		314Ah*2/2009.6Wh
Max Charge Duration Current		157A
Max Discharge Duration Current		200A
Charging Overvoltage Protection		7.3Vdc
Cycle Life		8000 times@ 25℃ 0.5C 70% DOD
DC Output Port Parameters		
TYPE-C USB-A-Port1	Output Voltage/Power	5V/9V/12Vdc--20W
	Support Agreement	QC2.0/QC3.0/QC3.0 CLASS/HUAWEI FCP/SCP/SUMSANG AFC/APPLE 2.4A/PD3.1
	Overvoltage Protection	Self-recovery
	Overload Protection	Self-recovery
	Short-Circuit Protection	Self-recovery
USB-A-Port2	Charging Voltage and Current	5V3A
	Output Power	15W
	Overvoltage Protection	Self-recovery
	Overload Protection	Self-recovery
	Short-Circuit Protection	Self-recovery
DC-DC Port	Total Current	12V4A
	Output Power	48W
	Number of Ports	4
	Terminals Model	DC5521
Other Information		
Working Altitude		≦3000m
Dimensions		280*225*220mm
Weight		18kg
Protection Level		IP20

Note: The controller will actively limit the PV current input to not exceed the maximum input current.
*If the AC load power exceeds 1000W and the output voltage drops below 170V, protection will be activated.