

POWER POD *Portable Power Station*

DR-PPS501512FL02 / DR-PPS501542FL03



Product Introduction

This portable power station features a 1 kWh/2kWh (optional) capacity and 500W pure sine wave AC output. Equipped with dual charging inputs (AC + solar PV), it provides versatile outputs including Type-C, USB and DC5521 12V ports. Built with premium LiFePO4 battery cells for enhanced safety and durability.

Features and Functions

- All-in-one portable design
- Wide PV input range
- Multi-interface outputs (AC/Type-C/USB/DC12V)
- Single-cell topology (no imbalance issues)
- UPS function (20ms switchover)
- 1/2kWh capacity can be optional (LiFePO4 with 80% DOD)

PowerPod

Model		DR-PPS501512FL02	DR-PPS501542FL03
Rated Output Power		500W	500W
AC Input			
Nominal AC Input Voltage/Waveform		220/230Vac/Pure Sine Wave	
Input Frequency Range		45~65Hz	
Max. charging power		500W	
AC Input Range		90-280Vac	
PV Input			
Max. PV Input Power		400W	
PV Input Voltage Range		11~55Vdc	
PV Input Max. Current		13.5A	
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		3.2Vdc	
Operating Voltage Range		3.0V- 3.65Vdc	
Charging Voltage		3.6Vdc	
Battery Capacity/Energy		314Ah/1004.8Wh	314Ah*2/2009.6Wh
Max Charge Duration Current		157A	
Max Discharge Duration Current		200A	
Charging Overvoltage Protection		3.65Vdc	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		300*200*220mm	
Weight		11.5kg	16.8kg
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 500W and the output voltage drops below 170V, protection will be activated.