



1 kWh / 2 kWh
Battery Capacity

PowerPod Portable Power Station

DR-PPS501512FL02/DR-PPS501542FL02/DR-PPS102542FL01



All-In-One
portable design



AC Input Overcurrent
Protection



Wide PV input range



Multi-interface outputs
(AC/Type-C/USB/DC12V)



Single-cell topology
(no imbalance issues)



1/2kWh capacity
(LiFePO4 with 70% DOD)

Model	DR-PPS501512FL02	DR-PPS501542FL02	DR-PPS102542FL01
Rated Output Power	500W	500W	1000W
AC Input			
Nominal AC Input Voltage/Waveform	220/230Vac/Pure Sine Wave		
Input Frequency Range	45~65Hz		
Max. charging power	500W		1000W
AC Input Range	90-280Vac		
PV Input			
Max. PV Input Power	300W		550W
PV Input Voltage Range	11~55Vdc		
PV Input Max. Current	10A		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	3.2Vdc		6.4Vdc
Operating Voltage Range	3.0V- 3.65Vdc		6.0V-7.3Vdc
Charging Voltage	3.6Vdc		7.2Vdc
Battery Capacity/Energy	314Ah/1004.8Wh	314Ah*2/2009.6Wh	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 C 0.5C 70% DOD		
DC Output Port Parameters			
TYPE-C	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	
USB-A-Port1	Overload Protection	Self-recovery	
	Short-Circuit Protection	Self-recovery	
	Charging Voltage and Current	5V3A	
USB-A-Port2	Output Power	15W	
	Overvoltage Protection	Self-recovery	
	Overload Protection	Self-recovery	
	Short-Circuit Protection	Self-recovery	
	Total Current	12V4A	
DC-DC Port	Output Power	48W	
	Number of Ports	4	
	Terminals Model	DC5521	
Other Information			
Working Altitude	≤3000m		
Dimensions	300*200*241.8mm		280*225*220mm
Weight	11.5kg	16.8kg	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 500W/1000W and the output voltage drops below 170V, protection will be activated.