



1 kWh / 2 kWh
Battery Capacity

PowerPod Portable Power Station

DR-PPS501512FL02/DR-PPS501542FL03/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-PPS501542FL03	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	400W		550W	
PV Input Voltage Range	11~55Vdc			
PV Input Max. Current	13.5A		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℃ 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		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.