



PowerCircle P1 Pro

12 V / 100 Ah

Perfect for replacement for lead-acid batteries

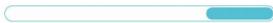
Sodium-ion battery

12V 100Ah

>3000 life cycles



13 KG



1/3 of lead acid battery



10 years lifespan



100% DOD



Environmentally-friendly



 Cycle times

 Weight

 Volume

 Life

 Depth of discharge

 Eco-friendly

Lead-acid battery

12V 100Ah

300-500 life cycles



3 times of sodium-ion



3 times of sodium-ion



3 years lifespan



About 60%-70% DOD



Harmful to the environment



Battery P1 Pro (PCS-12100-02) 12V Sodium-ion

Cell	Model	32140
	Capacity	10 Ah
	Rated voltage	3.0 V
	Combination method	4S10P
Electrical Characteristics	Nominal voltage	12 V
	Nominal capacity	100 Ah
	Energy	>1,080 Wh
	Cycle life (@1C, 70%DOD)	>3,000
	Months self discharge	<3%
	Efficiency of discharge	96%~ 99% @1C
Standard Charge	Charge cut-off voltage	16 V
	Charge current	20 A
	Max. charge current	50 A
Standard Discharge	Discharge current	100 A
	Discharge cut-off voltage	8.0 V
Environmental	Charge temperature	-10°C to 45°C (14°F to 113°F) @60 ± 25% Relative humidity
	Discharge temperature	-20°C to 55°C (-4°F to 131°F) @60 ± 25% Relative humidity
	Storage temperature	-10°C to 40°C (14°F to 104°F) @60 ± 25% Relative humidity
	Water dust resistance	IP56
Mechanical	Plastic case	ABS
	Dimension (W x H x D)	328 x 220 x 172 mm (12.9 x 8.7 x 6.8 in)
	Weight	13 kg (28.7 lb)

