



# 12V Sodium-ion Battery

## 12V 100Ah/ 12V 200Ah



# Technical Specification



Model

GWN12100

GWN12200

## BATTERY

Cell Type	Sodium-ion (Na-ion)	
Nominal Voltage	12.0V	
Working Voltage Range	6.0~16.0V	
Rated Capacity	100Ah	200Ah
Nominal Energy	1200Wh	2400Wh
Internal Resistance	≤30 mΩ	≤50 mΩ
Cycle Life	≥3,000 Cycles @80%DOD 25°C (0.5C/0.5C)	
Max. Expansion	4P4S (Parallel & Series)	
Protection Class	IP65	
Warranty	5 Years	

## BMS

BMS	100A	200A
Max. Continuous Charge Current	50A	100A
Max. Continuous Discharge Current	100A	200A
Discharge Cut-off Voltage	6V	

## CHARGE

Charge Method	CC/CV
Charge Voltage	≤16.0V
Standard Charging Current	0.5C
Quick Charging Current	1.0C
Standard Discharge Current	0.5C

## MECHANICAL

Terminal Type	M8 Bolt	
Dimensions (L*W*H)	13.0*6.8*8.7 in/ 330*172*220 mm	25.2*9.6*8.7 in/ 640*245*220 mm
Weight	33.1 lbs./ 15 kg	66.1 lbs./ 30 kg
Case Material	ABS(Flame Retardant Plastic)	



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## TEMPERATURE

<b>Charge</b>	0°C~45°C / 32°F~113°F
<b>Discharge</b>	-30°C~70°C / -22°F~158°F
<b>Storage</b>	-25°C~45°C / -13°F~113°F