

GEL Battery 12V 100AH

Battery Type	GEL
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 29.5kg (65.0lbs)
Container Material	ABS
Rated Capacity	100Ah 10Hour Rate (10.0A to 10.8V)
	48.9Ah 3Hour Rate (26.3A to 10.8V)
	64.2Ah 1Hour Rate (64.2A to 10.5V)
Internal resistance	Full charged at 25°C: 5.2 mΩ
Max. Discharge Current	1200A(5S)
Operating Temperature	Discharge: -40 ~60°C(-40~ 140°F)
	Charge : -20 ~50°C(-4~ 122°F)
	Storage: -20 ~50°C(-4~ 122°F)
Charge Method (25 °C)	Charge current: Max.25A ; Recom.10A
	Float Charge voltage(-3mV/°C) :
	13.5-13.8V,recom.13.5V(Full floating system)
	13.5-13.8V,recom.13.62V(Cycle use system)
	Equalize charge:13.8-14.1V,recom.14.1V(-4mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.4V(-5mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

Applications

- Solar / wind energy and other new energy storage
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting, Auto control system
- Other general purpose



General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life