



GEL BATTERY

BATTERY GROUP

DEEP CYCLE GEL BATTERY 100/150/200A



Key Features:

- Full recovery from deep discharge, even when the battery is not recharged immediately.
- Ideal for repeat cycling daily use.
- Excellent performance over long discharges.
- Good tolerance to higher temperature applications.
- Suitable where mains power is unstable.
- Zero stratification due to immobilized electrolyte.
- Reduced self-discharge.
- Limiting design protects the positive plates to greatly improve cycle life.
- Improved charge acceptance due to low internal resistance.
- High resistance to water loss with the right charging set up.
- Ultra stable polymer separator with gloss mail for increased performance.
- High resistance to shorting due to superior mechanical strength of the polymer separator.
- Increased tolerance to poor charging parameters.
- Can be discharged even when full recharge has not been achieved, without loss of battery capacity.

Product Parameters

MODEL	GEL12-100(12V100AH)	GEL12-150(12V150AH)	GEL12-200(12V200AH)
SPECIFICATION			
Nominal Voltage	12V		
Capacity (25°C)	100 Ah 10HR (10.5V) 75 Ah 5HR (10.2V) 58.2 Ah 1HR (9.6V)	150 Ah 20HR (10.5V) 116.5 Ah 5HR (10.2V) 87.3 Ah 1HR (9.6V)	200 Ah 20HR (10.5V) 156 Ah 5HR (10.2V) 116 Ah 1HR (9.6V)
Dimension			
Length	330±2mm (12.99 inch)	485±2mm (19.09 inch)	522±2mm (20.55 inch)
Width	171±2mm (6.73 inch)	172±2mm (6.77 inch)	238±2mm (9.37 inch)
Height	214±2mm (8.43 inch)	240±2mm (9.45 inch)	222±2mm (8.74 inch)
Total Height	220±2mm (8.66 inch)	240±2mm (9.45 inch)	222±2mm (8.74 inch)
Approx. Weight	30.0 kgs (66.000 lbs±4%)	43.1 kgs (95.02 lbs±4%)	60 kgs (132.28 lbs±4%)
Terminal Type	T9	T11	T11
Internal Resistance (Fully Charged, 25°C)	Approx. 5m Ω		
Capacity Affected by Temperature (10HR)	Approx. 5m Ω	Approx. 4.2m Ω	Approx. 3.3m Ω
	40°C 103%	40°C 103%	40°C 103%
	25°C 100%	25°C 100%	25°C 100%
	0°C 88%	0°C 88%	0°C 88%
	-15°C 70%	-15°C 70%	-15°C 70%
Self-Discharge (25°C)	3 Month Remaining Capacity: %94	3 Month Remaining Capacity: %94	3 Month Remaining Capacity: %94
	6 Month Remaining Capacity: %88	6 Month Remaining Capacity: %88	6 Month Remaining Capacity: %88
	12 Month Remaining Capacity: %75	12 Month Remaining Capacity: %75	12 Month Remaining Capacity: %75
Nominal Operating Temperature	25°C ± 3°C (77°F ± 5°F)	25°C ± 3°C (77°F ± 5°F)	25°C ± 3°C (77°F ± 5°F)
Operating Temperature Range			
Discharge	-15°C-55°C (5°F-131°F)	-15°C-55°C (5°F-131°F)	-15°C-50°C (5°F-131°F)
Charge	-10°C-55°C (14°F-131°F)	-10°C-55°C (14°F-131°F)	-10°C-50°C (14°F-131°F)
Storage	-20°C-55°C (-4°F-131°F)	-20°C-55°C (-4°F-131°F)	-20°C-50°C (-4°F-131°F)
Float Charging Voltage (25°C)	13.50 to 13.80V Temperature Compensation -18mV/°C	13.50 to 13.80V Temperature Compensation -18mV/°C	13.50 to 13.80V Temperature Compensation -18mV/°C
Cyclic Charging Voltage (25°C)	14.10 to 14.40V Temperature Compensation -30mV/°C	14.10 to 14.40V Temperature Compensation -30mV/°C	14.10 to 14.40V Temperature Compensation -30mV/°C
Maximum Charging Current	20A	30A	40A
Terminal Material	Copper		
Maximum Discharge Current	800A (5 sec.)	1500A (5 sec.)	1600A (5 sec.)
Designed Floating Life (20°C)	15 Years	15 Years	15 Years

- Absorbent Glass Mat Technology
- Recognized by RoHS & CE.
- ABS container.