

RM12-9W HRLL

REMCO

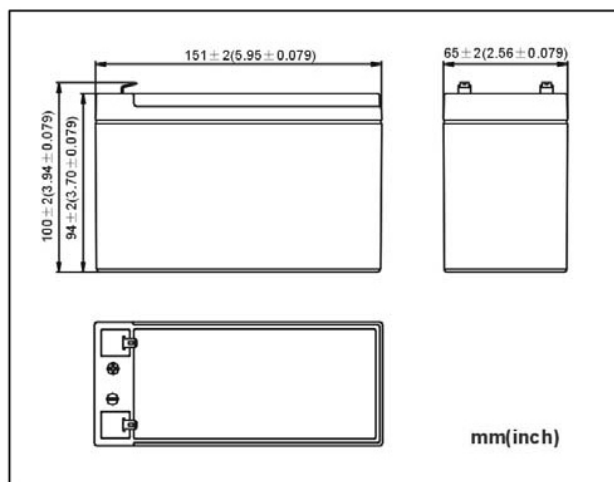
NON-SPILLABLE RECHARGEABLE SEALED LEAD ACID BATTERY



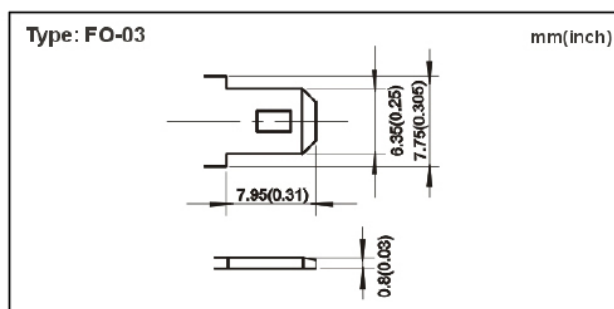
■ FEATURES

- Designed life for floating charge is 5~8 years (20℃);
- Special formula of grid alloys and lead paste, special manufacturing technique, to make sure the high quality, high performance and long life;
- High-rate discharge performance, high energy;
- AGM valve regulated sealing technology;
- High strength ABS material for container & lid;
- Wide temperature scope of application (-15~45℃);
- Best temperature of application (20±5℃);
- No leaking, safe and reliable;
- Standing or lying down for using, convenient to transport and install;
- High sealed reaction efficiency, little loss of water, no need to add distilled water or electrolyte, simple to use and maintain;
- Low self-discharge rate.

■ DIMENSIONS



■ TERMINALS



■ SPECIFICATIONS

Nominal Voltage		12V		Capacity	C ₂₀	9.0Ah (10.5V, at 25℃)	
Nominal Power(15min)		36W/Cell (10.02V, at 25℃)			C ₁₀	8.1Ah (10.5V, at 25℃)	
Dimension		Length	151mm		C ₃	6.75Ah (10.5V, at 25℃)	
		Width	65mm		C ₁	5.4Ah (10.2V, at 25℃)	
		Height	94mm	Internal Resistance		Approx. 22 mΩ (25℃)	
		Total Height	100mm	Max Short-duration Discharge Current			270A(25℃)
Weight		Approx. 2.70kg		Max Charging Current			2.7A
Charging Voltage	Standby Use	2.275±0.025V/cell (25℃)		Temperature Compensation	Standby Use	-3.3mV/℃/cell	
	Cyclic Use	2.45±0.05V/cell (25℃)			Cyclic Use	-5mV/℃/cell	

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■ STORAGE

- Batteries should be stored in dry and clean warehouse which has good air exchange system. Batteries should avoid direct sunlight. Batteries should not be near to heat (such as radiator, the distance should more than 1m). Batteries should avoid any toxic gas and organic solvent.
- When the ambient temperature is less than 25°C, the longest storage life is 6 months. If ambient temperature is higher, the longest storage life varies as specified in below chart.

Storage Temperature (°C)	≤25	26~33	34~40
Storage Time (Month)	6	3	1

- Batteries should be recharged within the storage life or before using.

Charging methods: maximum charging current 2.7A, constant voltage 2.45±0.05V/cell (25°C);

Charging time: 15~20h; Temperature compensation coefficient: -5mV/°C/cell.

■ CONSTANT CURRENT DISCHARGE CHARACTERISTICS

UNIT: A (25°C)

F.V. TIME	5min	10min	15min	30min	1hr	2hr	3hr	5hr	10hr	20hr
1.60V	41.49	25.62	19.11	11.03	6.15	3.36	2.35	1.48	0.77	0.41
1.70V	38.45	24.40	18.40	10.75	6.03	3.31	2.31	1.45	0.76	0.41
1.80V	33.84	22.00	16.82	10.04	5.74	3.19	2.24	1.41	0.74	0.40

■ CONSTANT POWER DISCHARGE CHARACTERISTICS

UNIT: W/CELL (25°C)

F.V. TIME	5min	10min	15min	30min	1hr	2hr	3hr	5hr	10hr	20hr
1.60V	77.31	49.11	36.76	21.61	12.24	6.73	4.69	2.96	1.55	0.84
1.70V	71.65	46.77	35.40	21.07	12.00	6.62	4.61	2.91	1.53	0.83
1.80V	63.06	42.17	32.35	19.67	11.40	6.37	4.47	2.83	1.48	0.80

