

FOR HIGH RATE USE

General Features

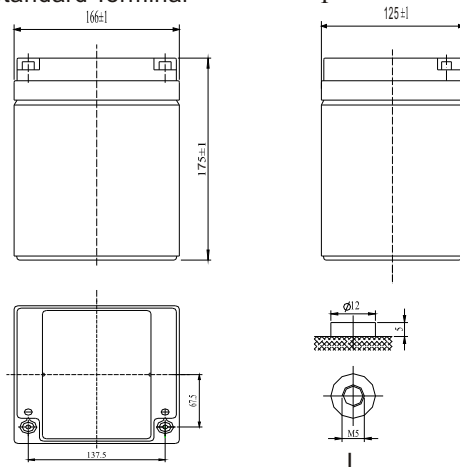
- Silica gel technology for longer cycle life and better performance at cold ambient temperatures.
- Special sheet separator and colloidal or foamed silica.
- Deep discharge cycle increased by 50% as compared with the AGM battery.
- High reliability and quality.
- Excellent recovery from deep discharge.
- Living up prevailing standards.

Specification

Nominal Voltage	12V
Number of cell	6
Design Life	8 years
Nominal Capacity 77°F(25°C)	
20 hour rate (1.3A, 10.5V)	26Ah
10 hour rate (2.5A, 10.5V)	25.78Ah
5 hour rate (4.88A, 10.5V)	24.38Ah
1 hour rate (18.42A, 9.6V)	18.42Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	10mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max. Discharge Current 77°F(25°C)	390A(5s)
Short Circuit Current	1300A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.5-14.9V
Maximum charging current	7.8A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

Dimensions and Weight

Length(mm / inch)	166 / 6.54
Width(mm / inch)	125 / 4.92
Height(mm / inch)	175 / 6.89
Total Height(mm / inch)	175 / 6.89
Approx. Weight(Kg / lbs)	10 / 2.21
Standard Terminal	I



Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	110	76.0	52.0	31.0	17.0	7.59	4.87	2.53	1.24
1.65V	104	72.4	49.7	29.8	16.4	7.36	4.76	2.48	1.23
1.70V	98.3	68.6	47.3	28.5	15.7	7.10	4.64	2.43	1.22
1.75V	92.2	64.7	44.9	27.1	15.0	6.82	4.50	2.38	1.20
1.80V	86.1	60.9	42.4	25.7	14.3	6.52	4.34	2.32	1.18

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	198	129	96.3	58.8	42.8	33.9	20.6	14.5	8.49
1.65V	185	122	91.1	55.9	40.8	32.5	20.0	14.2	8.34
1.70V	173	114	85.8	52.9	38.8	31.0	19.3	13.8	8.18
1.75V	161	107	80.5	49.8	36.7	29.4	18.5	13.4	8.00
1.80V	149	99.2	75.2	46.7	34.6	27.8	17.7	12.9	7.81

