

FOR HIGH RATE USE

General Features

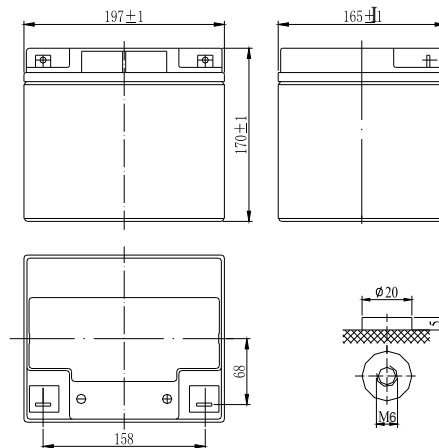
- Silica gel technology for longer cycle life and better performance at cold ambient temperatures.
- Special sheet separator and colloidal or foamed silica.
- Deep discharge cycle increased by 50% as compared with the AGM battery.
- High reliability and quality.
- Excellent recovery from deep discharge.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

Specification

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
20 hour rate (2A, 10.5V)	40Ah
10 hour rate (3.9A, 10.5V)	39Ah
5 hour rate (6.97A, 10.5V)	34.85Ah
1 hour rate (25.9A, 9.6V)	25.9Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	9.5mOhms
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)	400A(5s)
Short Circuit Current	900A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	12A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

Dimensions and Weight

Length(mm / inch)	197 / 7.76
Width(mm / inch)	165 / 6.50
Height(mm / inch)	170 / 6.69
Total Height(mm / inch)	170 / 6.69
Approx. Weight(Kg / lbs)	13.5 / 29.8
Standard Terminal	I



Discharge Constant Current (Amperes at 77°F/25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	138	93.0	75.2	42.0	25.9	10.60	7.37	4.05	2.07
1.65V	129	88.4	71.4	40.7	25.6	10.40	7.24	4.00	2.05
1.70V	119	83.7	68.6	39.3	25.2	10.20	7.11	3.95	2.03
1.75V	110	79.1	64.9	38.0	24.9	9.95	6.97	3.90	2.00
1.80V	101	75.2	58.7	37.7	24.5	9.72	6.80	3.80	1.95

Discharge Constant Power (Watts at 77°F/25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	250	170	132	85.5	63.0	52.0	28.5	21.6	14.3
1.65V	233	163	128	82.9	61.8	51.2	27.6	21.3	14.1
1.70V	215	155	124	80.3	60.5	50.3	26.7	20.9	13.9
1.75V	198	148	120	77.7	59.3	49.5	25.6	20.6	13.7
1.80V	186	140	116	75.0	58.0	48.6	26.7	20.2	13.6

