

General Features

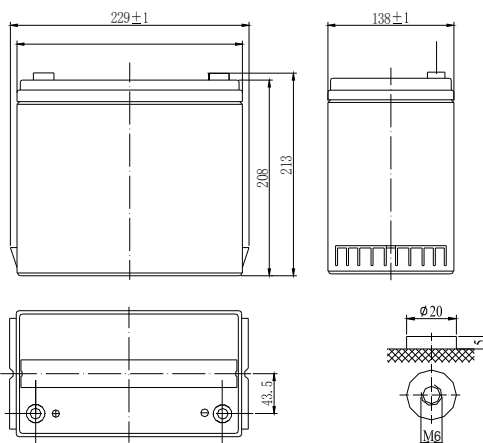
- Silica gel technology for longer cycle life and better performance at cold ambient temperatures.
- Special sheet separator and colloidal or foamed silica.
- Deep discharge cycle increased by 50% as compared with the AGM battery.
- High reliability and quality.
- Excellent recovery from deep discharge.
- 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 (2.75A, 10.5V)	55Ah
10 hour rate (5.2A, 10.5V)	52Ah
5 hour rate (9.23A, 10.5V)	46.15Ah
1 hour rate (35.1A, 9.6V)	35.1Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	5.8mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-30~60°C
Charge	-20~60°C
Storage	-30~60°C
Max. Discharge Current 77°F(25°C)	550A(5s)
Short Circuit Current	1400A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	16.5A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

Dimensions and Weight

Length(mm / inch)	229/9.02
Width(mm / inch)	138/5.44
Height(mm / inch)	208/8.19
Total Height(mm / inch)	213/8.39
Approx. Weight(Kg / lbs)	19 / 41.9
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	175	129	99.4	59.2	35.1	14.6	9.82	5.35	2.76
1.65V	165	124	95.4	57.4	34.2	14.2	9.57	5.30	2.76
1.70V	155	115	90.6	55.6	33.3	13.9	9.40	5.25	2.76
1.75V	145	106	85.8	53.8	32.5	13.6	9.23	5.20	2.75
1.80V	134	99.8	79.5	51.9	31.7	13.3	9.06	5.15	2.75

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	318	238	185	111	85.3	68.9	41.1	29.1	18.8
1.65V	300	225	177	109	84.0	67.3	40.2	28.5	18.6
1.70V	281	213	169	107	82.3	65.8	39.4	27.9	18.2
1.75V	261	200	162	105	80.5	64.3	38.4	27.3	18.0
1.80V	248	186	154	104	78.4	64.3	37.4	26.7	17.9

