



AGM Battery series

Datasheet : NT12-75(12V75AH)

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
10 hour rate (7.50A, 10.5V)	75.00Ah
5 hour rate (13.6A, 10.5V)	68.00Ah
1 hour rate (51.2A, 9.6V)	51.20Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤6.6mOhms
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)	700(5s)
Short Circuit Current	1800A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	22.5.5A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C





Wide Range Temperature



Warranty



Maintenance Free



AGM Technology



easy use

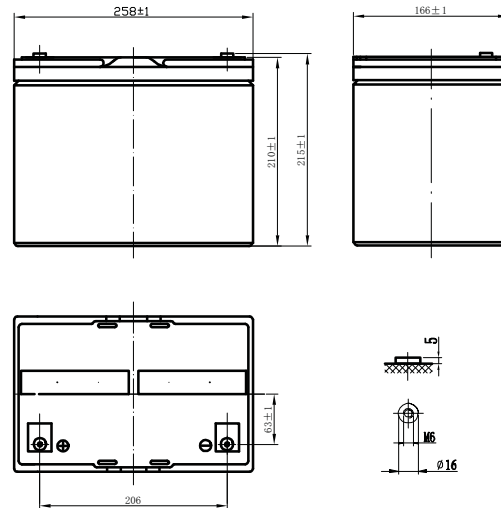


long life

Mechanical Characteristics

Length(mm / inch)	258/10.16
Width(mm / inch)	166/6.54
Height(mm / inch)	210/8.27
Total Height(mm / inch)	215/8.46
Approx. Weight(Kg / lbs)	21.0/ 46.2

* Weight deviation: ± 3%



Technical Characteristics

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

End Point	Volts/Cell	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	182	140	83.4	51.2	22.1	14.4	7.67	4.05	
1.65V	172	134	73.9	48.5	21.7	14.2	7.65	4.02	
1.70V	161	124	78.5	47.8	46.2	14.0	7.60	3.98	
1.75V	154	119	75.1	46.2	20.9	13.6	7.55	3.96	
1.80V	142	114	74.6	44.3	20.1	13.4	7.50	3.94	

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

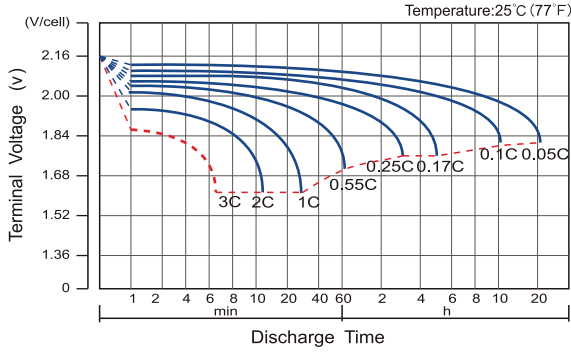
End Point	Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	320	251	161	122	97.6	54.7	41.0	27.3	
1.65V	306	246	156	120	95.5	53.5	40.0	27.1	
1.70V	296	242	148	113	91.6	51.3	39.7	26.5	
1.75V	279	227	145	113	88.2	49.4	39.1	26.5	
1.80V	266	216	144	108	85.9	48.1	38.8	26.3	

(Note)The above characteristics data are average values obtained within three charge/discharge cycles. All data shall be changed without notice, Neata reserves the right to explain and update the information.

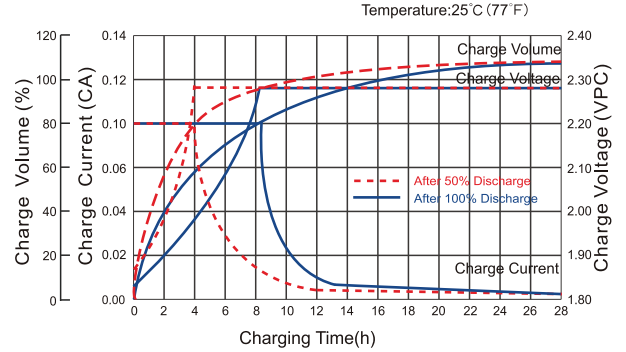
Neata[®] AGM Battery series

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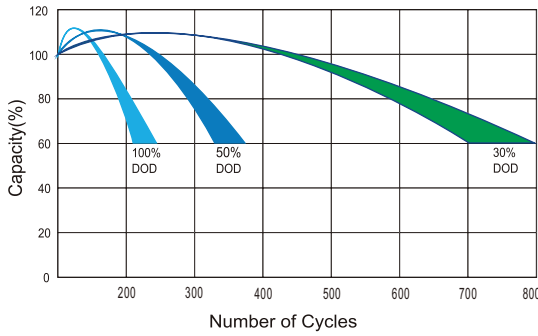
Discharge Characteristics Curve



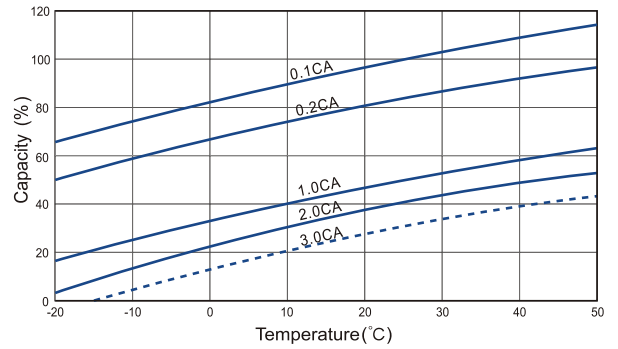
Charge Characteristic Curve For Standby Use



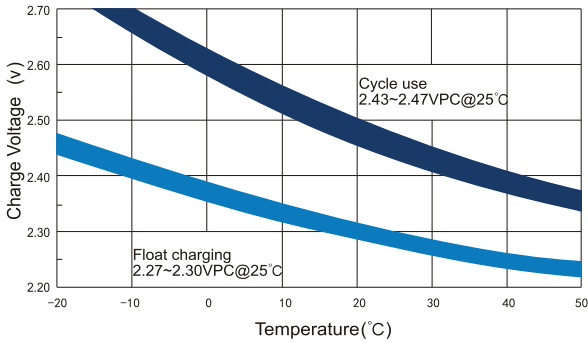
Cycle Life In Relation To Depth Of Discharge



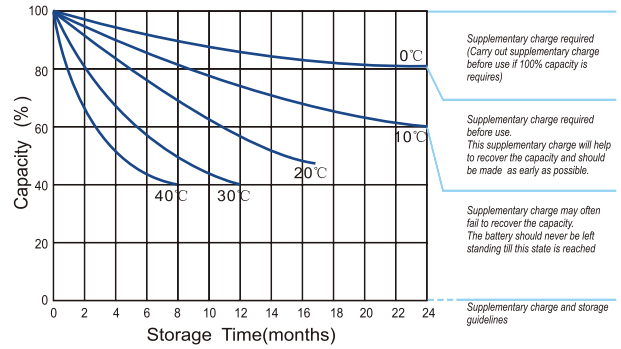
Temperature Effects On Capacity



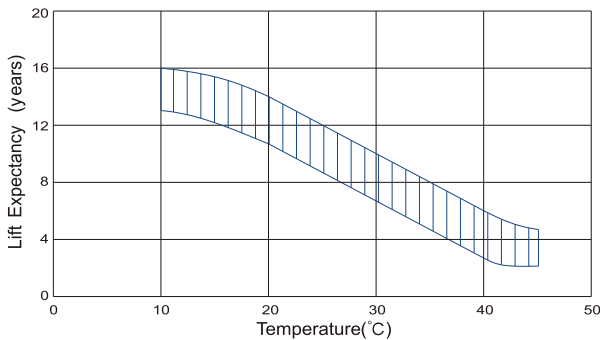
Relationship Between Charging Voltage And Temperature



Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

