

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
10 hour rate (5.50A, 10.5V)	55.00Ah
5 hour rate (9.23A, 10.5V)	46.15Ah
1 hour rate (35.1A, 9.6V)	35.10Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤7.2mOhms
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)	550(5s)
Short Circuit Current	1400A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	16.5A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C



Wide Range Temperature



Warranty



Maintenance Free



AGM Technology



easy use

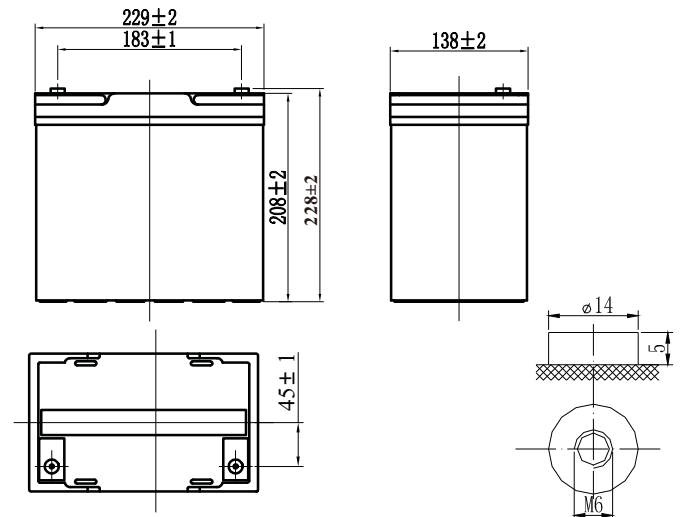


long life

Mechanical Characteristics

Length(mm / inch)	229 / 9.02
Width(mm / inch)	138/ 5.43
Height(mm / inch)	208 / 8.19
Total Height(mm / inch)	228/ 9.12
Approx. Weight(Kg / lbs)	15.1/ 33.22

* Weight deviation: ± 5%



Technical Characteristics

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

End Point	Volts/Cell	10min	15min	30min	1h	3h	5h	10h	20h
	1.60V	132	99.4	59.2	35.1	14.6	9.82	5.53	2.85
	1.65V	127	95.4	57.4	34.2	14.2	9.57	5.53	2.82
	1.70V	120	90.6	55.6	33.3	13.9	9.40	5.52	2.81
	1.75V	114	85.8	53.8	32.5	13.6	9.23	5.52	2.80
	1.80V	106	79.5	51.9	31.7	13.3	9.06	5.50	2.80

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

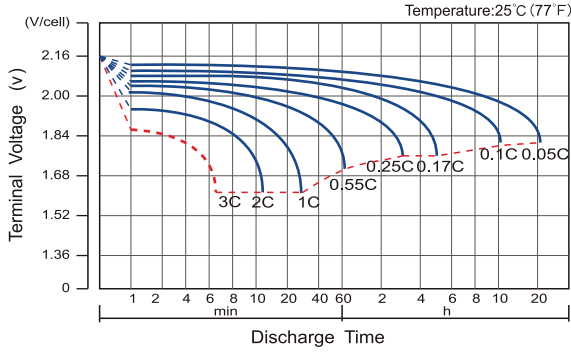
End Point	Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
	1.60V	246	185	111	85.3	68.9	41.1	29.1	18.9
	1.65V	235	177	109	84.0	67.3	40.2	28.5	18.6
	1.70V	225	169	107	82.3	65.8	39.4	27.9	18.2
	1.75V	215	162	105	80.5	64.3	38.4	27.3	18.0
	1.80V	205	154	104	78.4	62.6	37.4	26.7	17.9

(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.

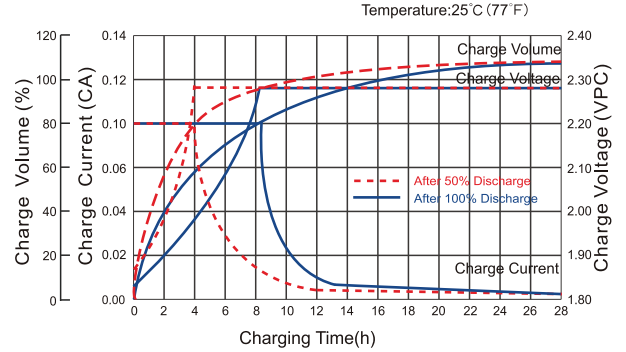
Neata[®] AGM Battery series

Datasheet : NT12-55(12V55AH)

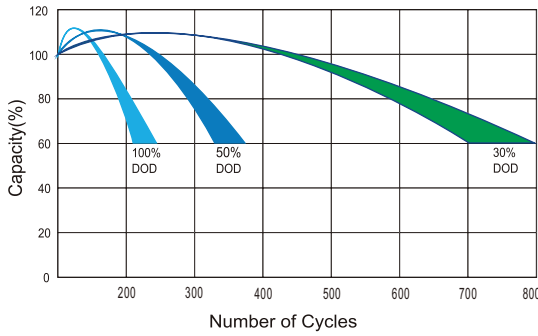
Discharge Characteristics Curve



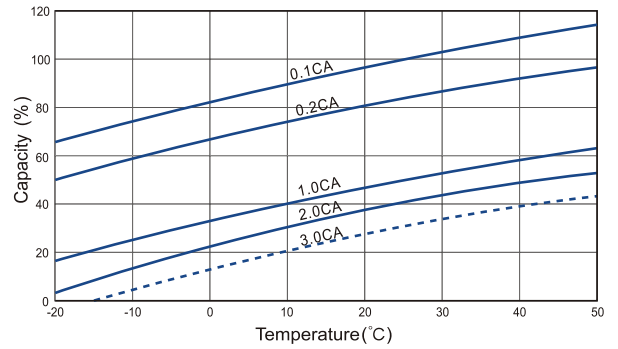
Charge Characteristic Curve For Standby Use



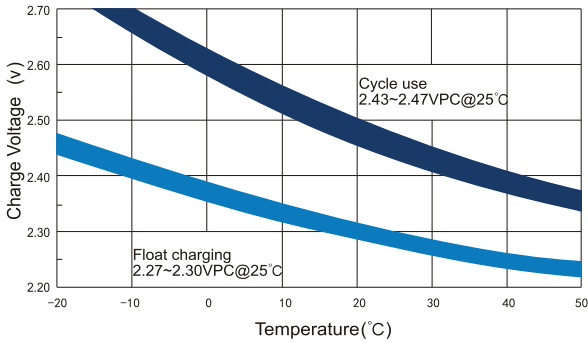
Cycle Life In Relation To Depth Of Discharge



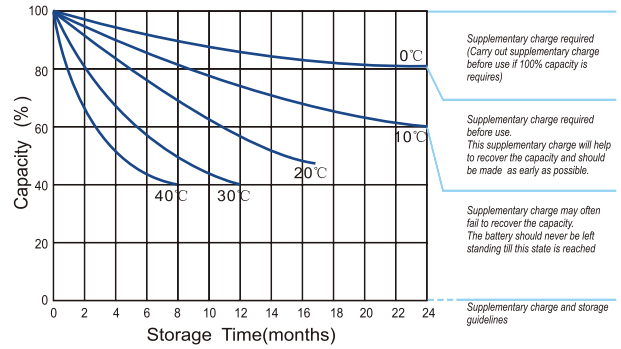
Temperature Effects On Capacity



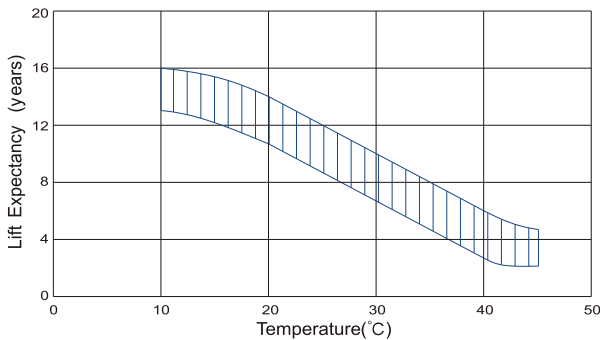
Relationship Between Charging Voltage And Temperature



Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

