



GEL battery series

NTG12-200 (12V200AH)

Nominal Voltage	12V
Number of cell	6
Design Life	15 years
Nominal Capacity 77°F(25°C)	
20 hour rate (10.25A, 10.5V)	205Ah
10 hour rate (20.0A, 10.5V)	200Ah
5 hour rate (36.0A, 10.5V)	180Ah
1 hour rate (131.0A, 9.6V)	131Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤3.6mOhms
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)	1000(5s)
Short Circuit Current	3300A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	no limited
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C



Wide Range Temperature



Warranty



Maintenance Free



GEL Technology



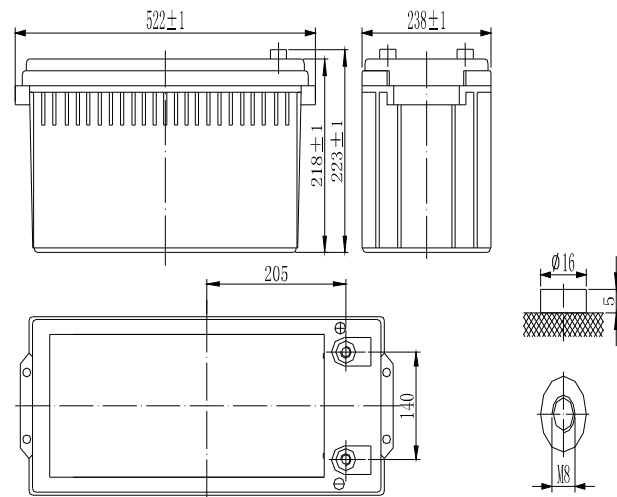
easy use



long life

Mechanical Characteristics

Battery (L×W×H)	mm±1	522×238×223
	inch	20.6×9.45×9.53
Box (L×W×H)	mm±2	546×264×290
	inch	21.5×10.4×11.5
Quantity Per Box		1 pcs
Net weight Per Cell		60kg±200g
Net weight Per Box		60.0kg
Gross Weight		60.6kg



Technical Characteristics

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

End Point	Volts/Cell	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	507	405	332	223	131	53.9	40.2	20.4	10.55	
1.65V	481	386	317	214	126	52.1	38.7	20.3	10.50	
1.70V	453	366	301	205	122	50.3	37.5	20.2	10.45	
1.75V	427	346	287	195	116	48.6	36.0	20.1	10.40	
1.80V	399	324	270	184	110	46.2	34.3	20.0	10.20	

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

End Point	Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	865	708	575	398	300	239	133	97.9	71.0	
1.65V	831	684	558	388	293	234	131	96.1	70.9	
1.70V	797	659	539	377	286	229	128	94.3	69.8	
1.75V	762	633	521	364	276	222	125	92.6	68.8	
1.80V	725	605	498	350	267	215	120	89.4	67.7	

(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.

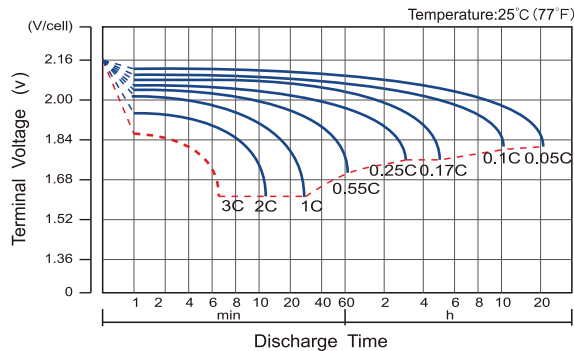
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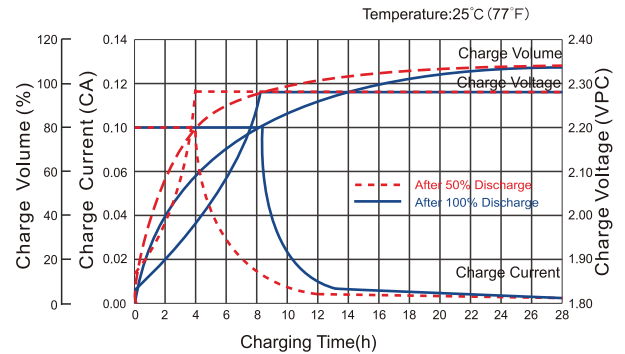


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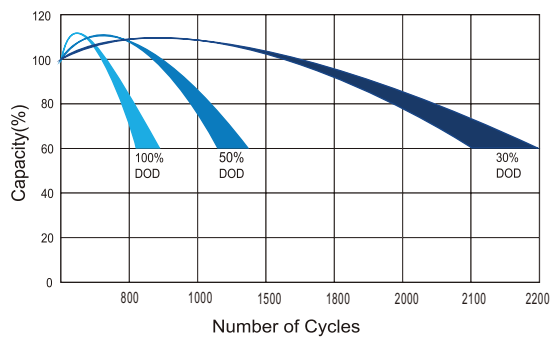
Discharge Characteristics Curve



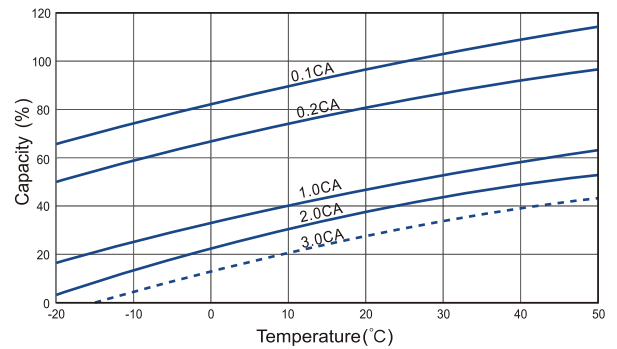
Charge Characteristic Curve For Standby Use



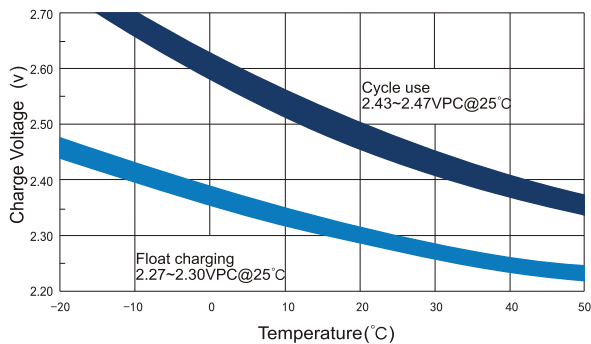
Cycle Life In Relation To Depth Of Discharge



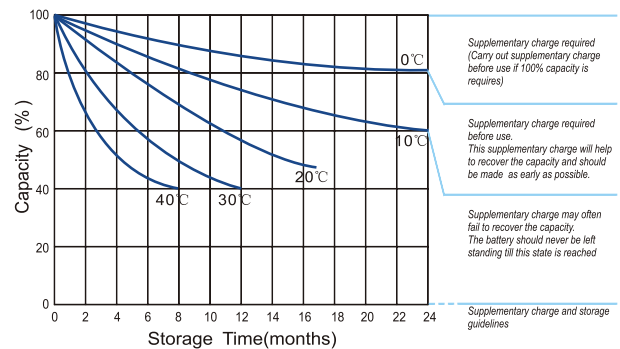
Temperature Effects On Capacity



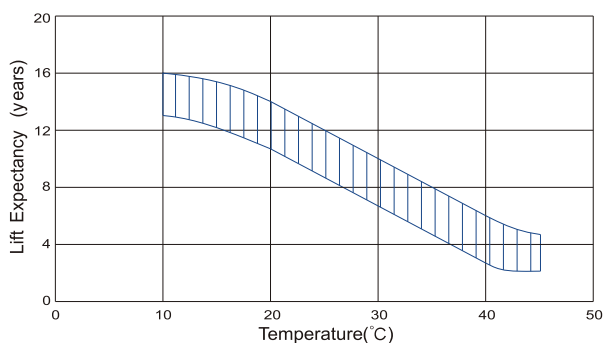
Relationship Between Charging Voltage And Temperature



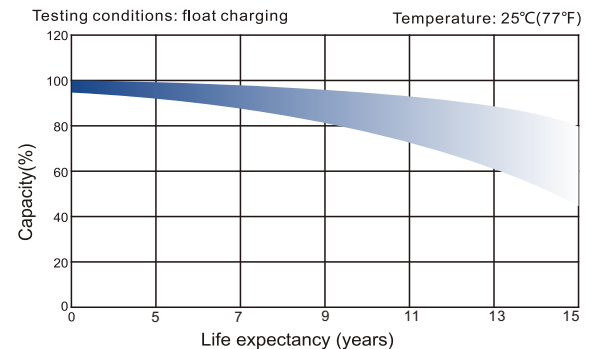
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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