

Neata[®]

+ Super energy

Deep Cycle Long Life series

Datasheet : NTD6-180(6V180AH)

Nominal Voltage	6V
Number of cell	3
Design Life	12 years
Nominal Capacity 77°F(25°C)	
10 hour rate (18.00A, 5.4V)	180.0Ah
5 hour rate (32.8A, 5.25V)	164.0Ah
1 hour rate (127A, 4.8V)	127.0Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤2.00mOhms
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)	900(5s)
Short Circuit Current	3500A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	54.0A
Temperature compensation	-30mV/°C
Standby use	6.6-6.9V
Temperature compensation	-20mV/°C



Wide Range Temperature



Warranty



Maintenance Free



Deep cycle Technology



easy use

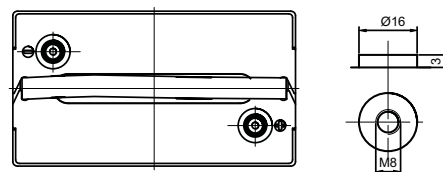
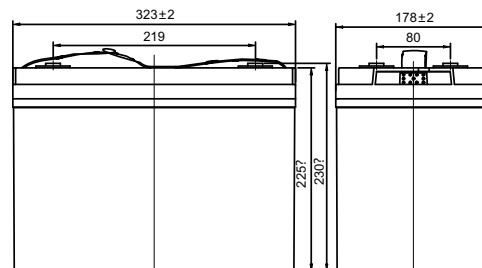


long life

Mechanical Characteristics

Length(mm / inch)	323 / 12.7
Width(mm / inch)	178 / 7.0
Height(mm / inch)	225 / 8.93
Total Height(mm / inch)	230 / 9.12
Approx. Weight(Kg / lbs)	28.5 / 62.7

* Weight deviation: ± 3%



Technical Characteristics

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

End Point	30min	45min	1h	3h	5h	10h
1.60V	220	159	127	52.5	34.0	18.6
1.65V	211	155	125	51.8	33.6	18.5
1.70V	202	151	123	51.1	33.2	18.4
1.75V	193	147	121	50.3	32.8	18.2
1.80V	183	143	118	49.5	32.3	18.0

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

End Point	30min	45min	1h	2h	3h	5h
1.60V	397	292	251	146	107	66.9
1.65V	383	284	246	144	106	66.2
1.70V	369	276	241	142	105	65.5
1.75V	354	267	235	140	104	64.8
1.80V	339	258	229	137	103	64.0

(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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Recognized under CE/IEC and certified by ISO9001 ,14001



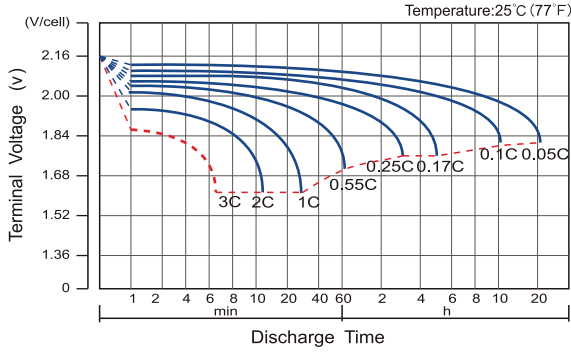
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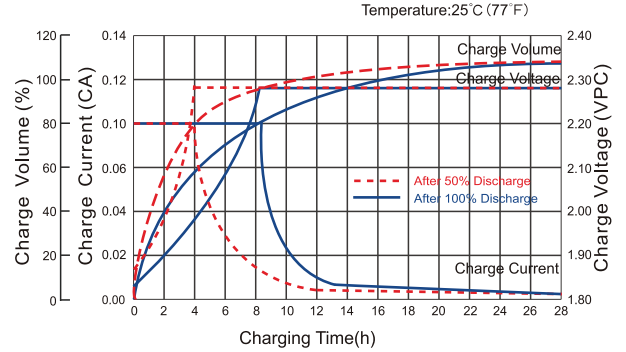
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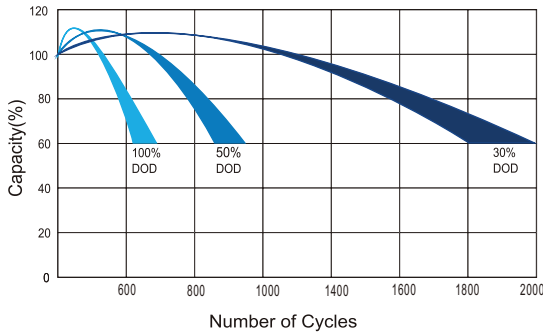
Discharge Characteristics Curve



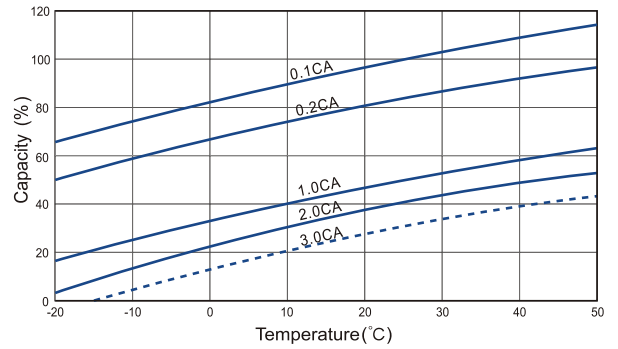
Charge Characteristic Curve For Standby Use



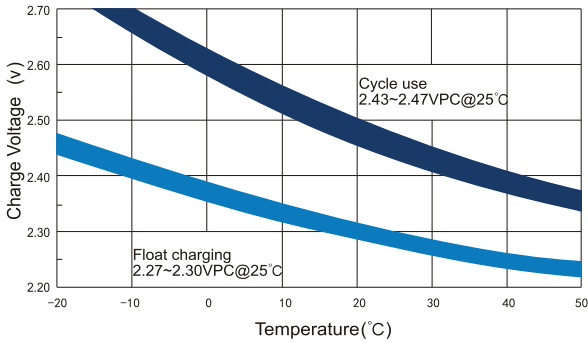
Cycle Life In Relation To Depth Of Discharge



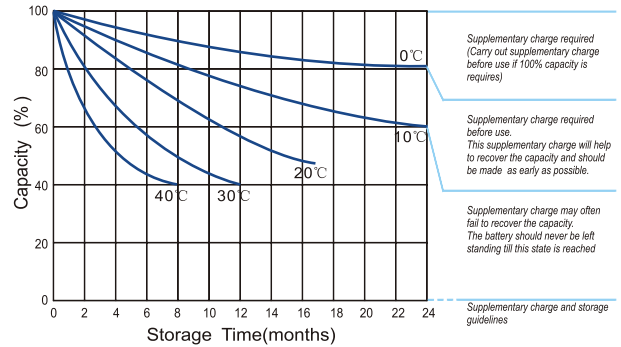
Temperature Effects On Capacity



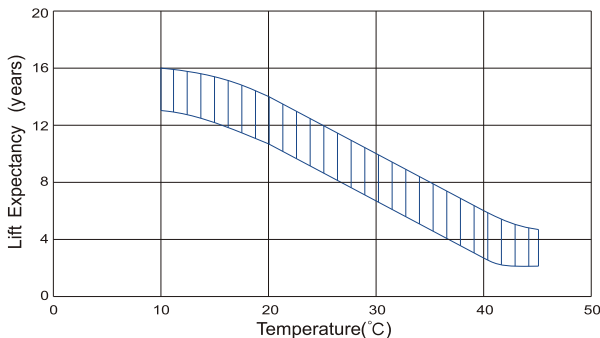
Relationship Between Charging Voltage And Temperature



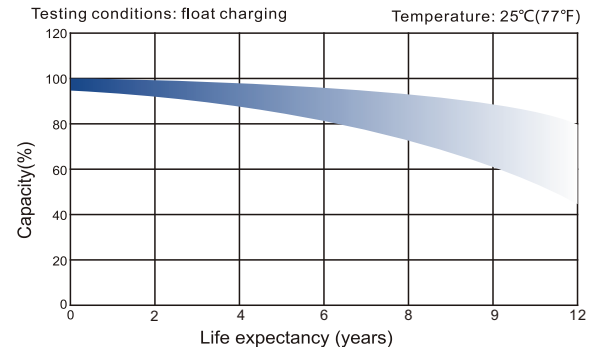
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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