



Deep Cycle Long Life series

Datasheet : NTD12-65(12V65AH)

Nominal Voltage	12V
Number of cell	6
Design Life	12 years
Nominal Capacity 77°F(25°C)	
20 hour rate (3.25A, 10.5V)	65.0Ah
10 hour rate (6.04A, 10.5V)	60.4Ah
5 hour rate (10.7A, 10.5V)	53.5Ah
1 hour rate (43.1A, 9.6V)	43.1Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤6.0mOhms
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)	650(5s)
Short Circuit Current	1700A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	19.5A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C



Wide Range Temperature



Warranty



Maintenance Free



Deep cycle Technology



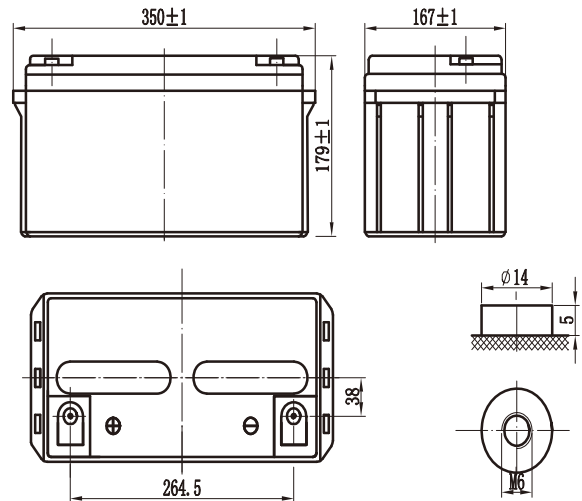
easy use



long life

Mechanical Characteristics

Length(mm / inch)	350 / 13.9
Width(mm / inch)	167 / 6.62
Height(mm / inch)	179 / 7.11
Total Height(mm / inch)	179 / 7.46
Approx. Weight(Kg / lbs)	19.5 / 42.8



Technical Characteristics

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

End Point	Volts/Cell	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	154	121	68.8	43.5	17.5	12.0	6.25	3.34	
1.65V	145	113	66.3	41.3	16.9	11.6	6.21	3.32	
1.70V	138	111	64.7	40.9	16.7	11.4	6.17	3.30	
1.75V	127	105	64.6	40.3	16.5	11.2	6.12	3.28	
1.80V	115	97.1	60.3	37.7	16.1	11.0	6.07	3.25	

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

End Point	Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	271	216	129	96.1	79.6	45.5	34.2	22.7	
1.65V	257	200	124	94.6	77.8	44.5	33.5	22.5	
1.70V	242	191	115	92.6	76.1	44.0	33.4	22.3	
1.75V	228	187	113	90.6	74.3	42.6	32.1	21.9	
1.80V	212	178	111	89.4	73.9	42.0	31.4	21.6	

(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

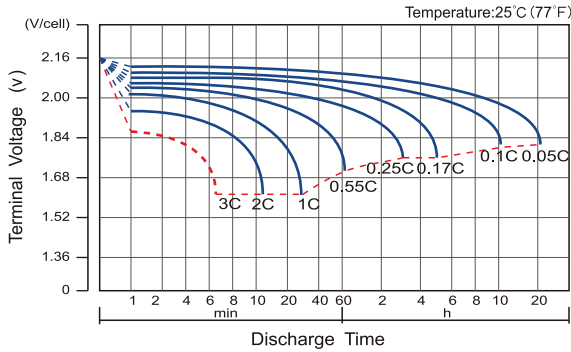


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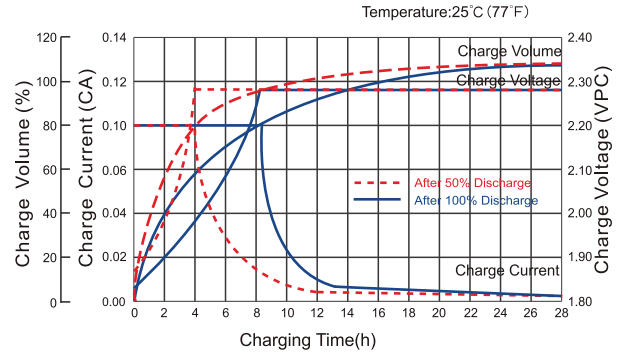
Datasheet : NTD12-65(12V65AH)

+ Super energy

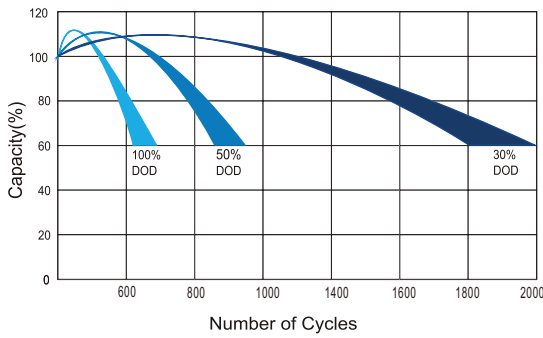
Discharge Characteristics Curve



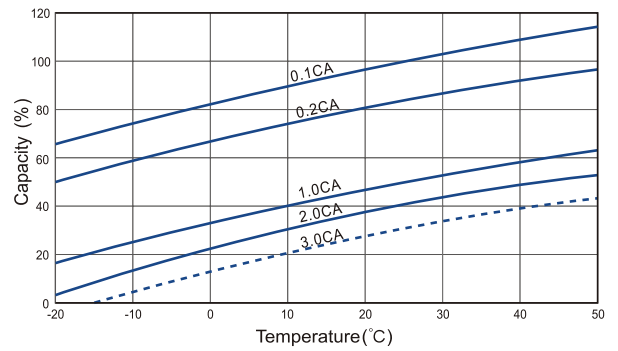
Charge Characteristic Curve For Standby Use



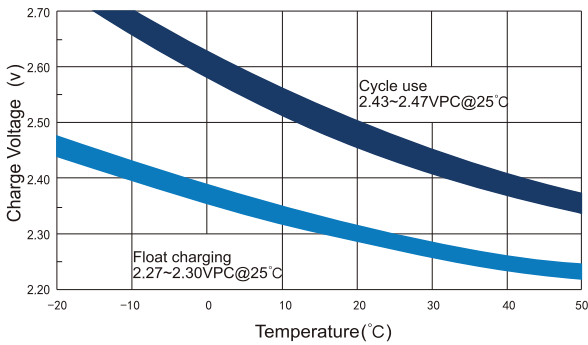
Cycle Life In Relation To Depth Of Discharge



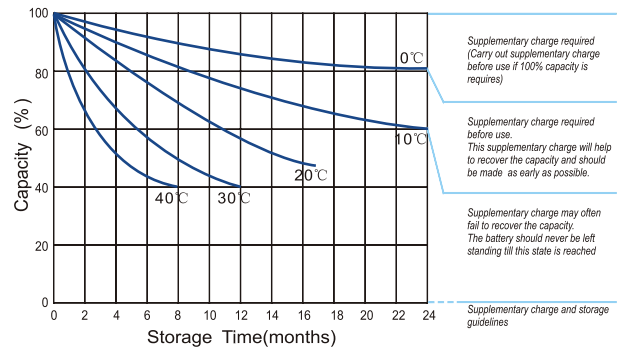
Temperature Effects On Capacity



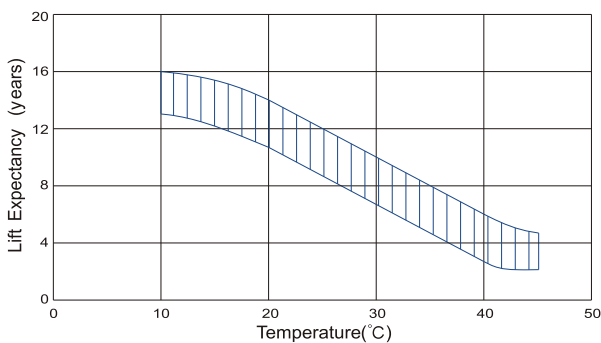
Relationship Between Charging Voltage And Temperature



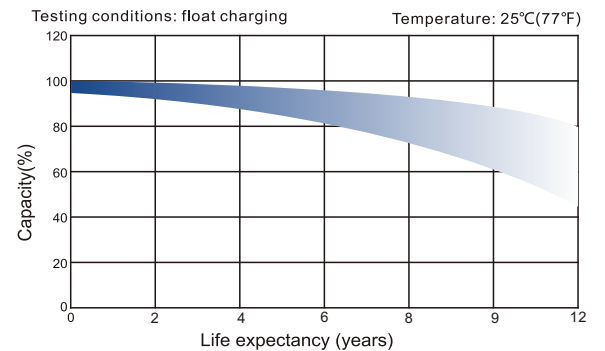
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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