



Deep Cycle Long Life series

Datasheet : NTD12-26(12V26AH)

Nominal Voltage 12V
Number of cell 6
Design Life 12years
Nominal Capacity 77°F(25°C)
 20 hour rate (1.30A, 10.5V) 26.00Ah
 10 hour rate (2.38A, 10.5V) 23.80Ah
 5 hour rate (3.81A, 10.5V) 19.50Ah
 1 hour rate (14.4A, 9.6V) 14.40Ah
Internal Resistance
 Fully Charged battery 77°F(25°C) ≤12.0mOhms
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) 300(5s)
Short Circuit Current 1200A
Charge Methods: Constant Voltage Charge 77°F(25°C)
Cycle use 2.40-2.45VPC
Maximum charging current 9.6A
Temperature compensation -30mV/°C
Standby use 13.6-13.8V
Temperature compensation -20mV/°C




Wide Range Temperature


Warranty


Maintenance Free

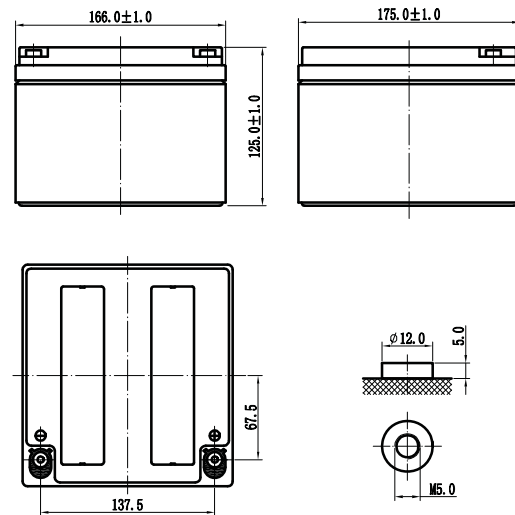

Deep cycle Technology


easy use


long life

Mechanical Characteristics

Length(mm / inch)	166 / 6.5
Width(mm / inch)	175 / 6.89
Height(mm / inch)	175 / 6.89
Total Height(mm / inch)	125 / 4.96
Approx. Weight(Kg / lbs)	7.5 / 16.50



Technical Characteristics

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

End Point	Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	110	72.0	52.0	31.0	17.0	7.59	4.87	2.53	1.34	
1.65V	104	72.4	49.7	29.8	16.4	7.36	4.76	2.48	1.33	
1.70V	98.3	68.6	47.3	28.5	15.7	7.10	4.64	2.43	1.32	
1.75V	92.2	64.7	44.9	27.1	15.0	6.82	4.50	2.38	1.30	
1.80V	86.1	60.9	42.4	25.7	14.3	6.52	3.34	2.32	1.18	

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

End Point	Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	198	129	96.3	58.8	42.8	33.9	20.6	14.5	8.49	
1.65V	185	122	91.1	55.9	40.8	32.5	20.0	14.2	8.34	
1.70V	173	114	85.8	52.9	38.8	31.0	19.3	13.8	8.18	
1.75V	161	107	80.5	49.8	36.7	29.4	18.5	13.4	8.00	
1.80V	149	99.2	75.2	46.7	34.6	27.8	17.7	12.9	7.81	

(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

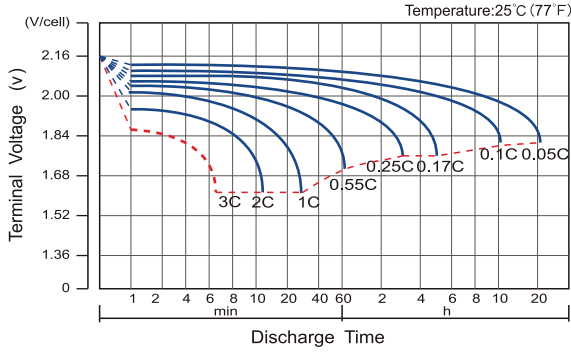


Neata[®] Deep Cycle Long Life series

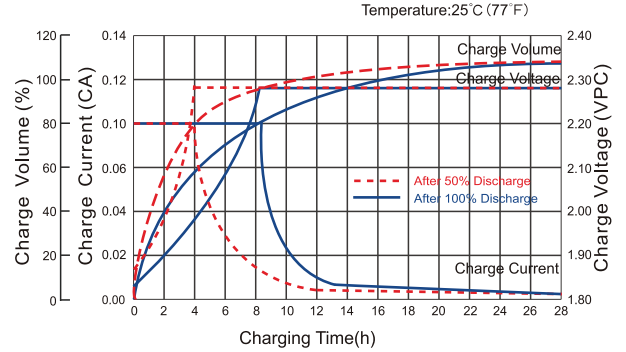
Datasheet : NTD12-26(12V26AH)

+ Super energy

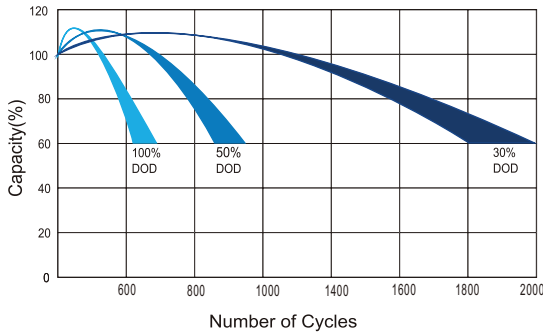
Discharge Characteristics Curve



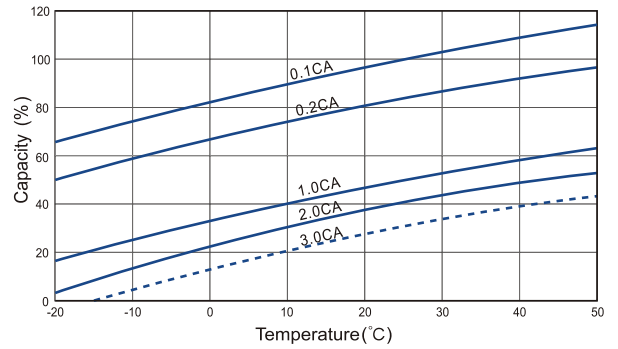
Charge Characteristic Curve For Standby Use



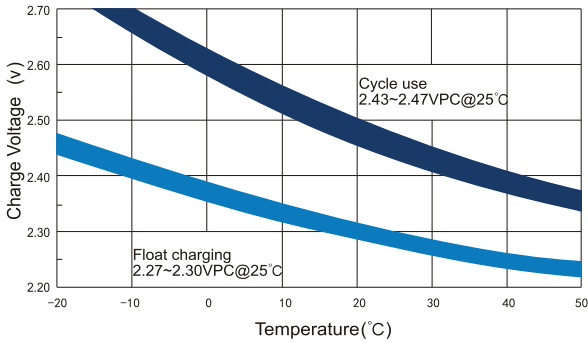
Cycle Life In Relation To Depth Of Discharge



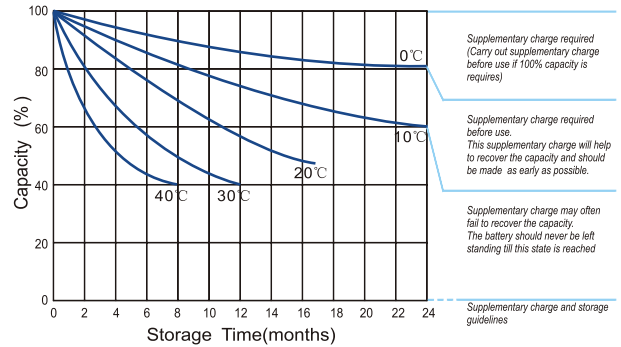
Temperature Effects On Capacity



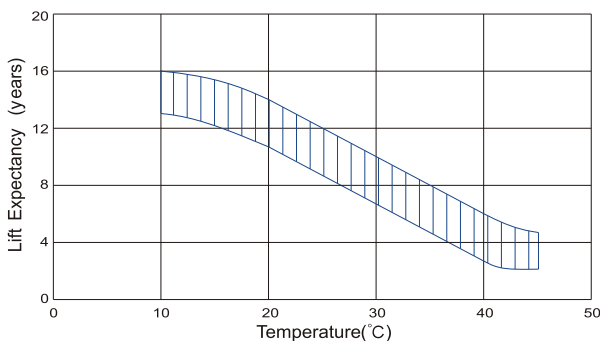
Relationship Between Charging Voltage And Temperature



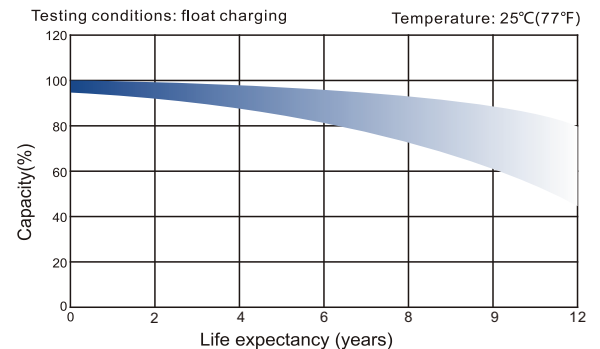
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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