

NEATA

GEL battery series

Datasheet : NTG12-75(12V75AH)

Nominal Voltage	12V
Number of cell	6
Design Life	20 years
Nominal Capacity 77°F(25°C)	
20 hour rate (3.75A, 10.5V)	75.0Ah
10 hour rate (7.50A, 10.5V)	74.1Ah
5 hour rate (13.4A, 10.5V)	67.0Ah
1 hour rate (51.2A, 9.6V)	51.2Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤6.5mOhms
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)	700(5s)
Short Circuit Current	1800A
Charge Methods:	Constant Voltage Charge 77°F(25°C)
Cycle use	2.40-2.45VPC
Maximum charging current	22.5A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C



Wide Range Temperature



Warranty



Maintenance Free



GEL Technology



easy use

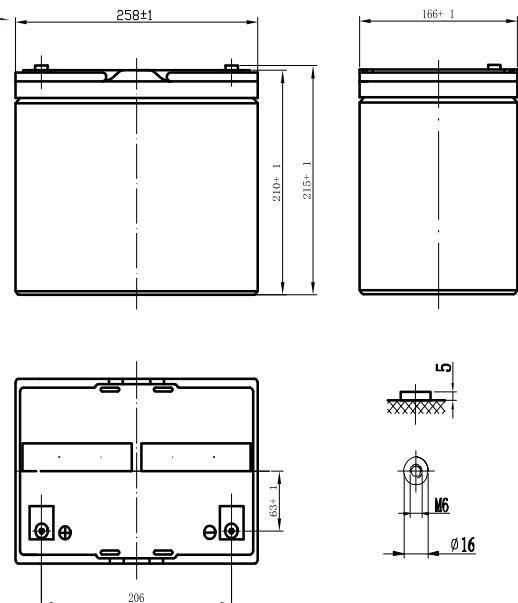


long life

Mechanical Characteristics

Length(mm / inch)	258/ 10.1
Width(mm / inch)	166/ 6.53
Height(mm / inch)	210 /8.26
Total Height(mm / inch)	215 /8.46
Approx. Weight(Kg / lbs)	21/46.2

* Weight deviation: ± 3%



Technical Characteristics

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

End Point	Volts/Cell	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	171	133	79.8	49.5	21.6	14.2	7.54	3.94	
1.65V	162	127	76.3	46.8	21.2	14.0	7.51	3.90	
1.70V	152	118	75.1	46.2	20.8	13.8	7.48	3.85	
1.75V	145	114	71.8	44.6	20.4	13.4	7.45	3.80	
1.80V	133	109	71.3	42.8	19.6	13.2	7.41	3.75	

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

End Point	Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	301	239	154	118		94.3	53.4	39.8	26.7
1.65V	288	234	149	116		92.2	52.1	38.8	26.5
1.70V	278	230	141	109		88.5	50.9	38.5	25.9
1.75V	263	216	139	109		85.2	49.7	37.9	25.9
1.80V	251	206	138	104		82.9	49.0	37.6	25.7

(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.

SHENZHEN OFFICE (CHINA)
 Tel: +86-755-2691-9474
 Fax: +86-755-2691-9474

Recognized under CE/ IEC and certified by ISO9001 ,14001



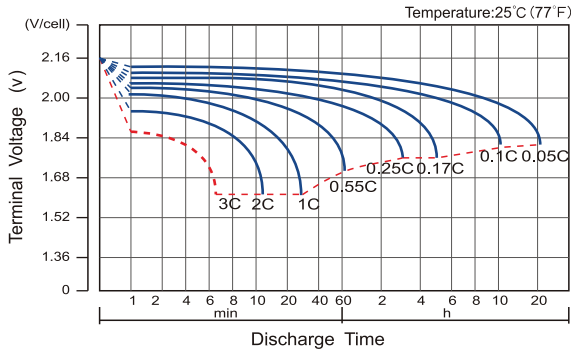
//Shenzhen Neata Power Tech co.,ltd//www.neata-batt.com



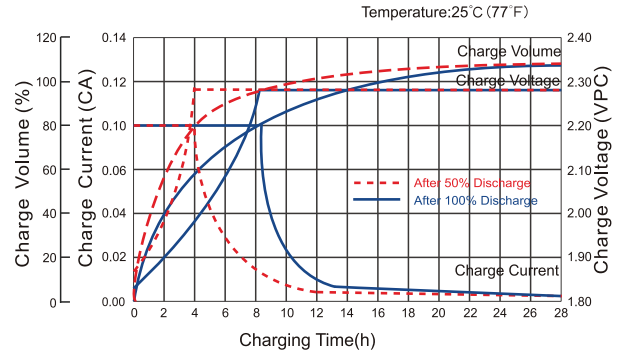
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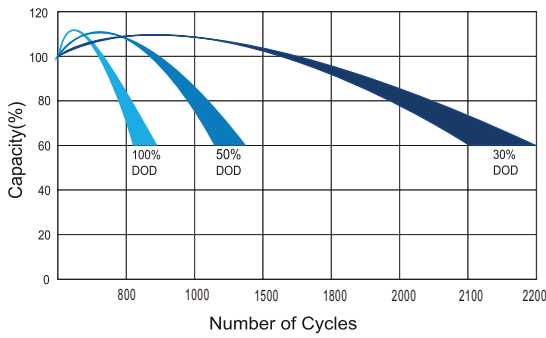
Discharge Characteristics Curve



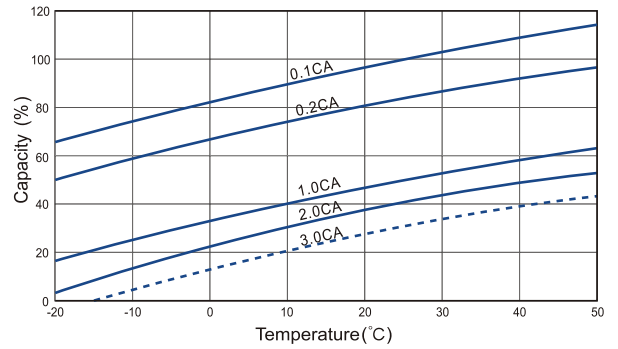
Charge Characteristic Curve For Standby Use



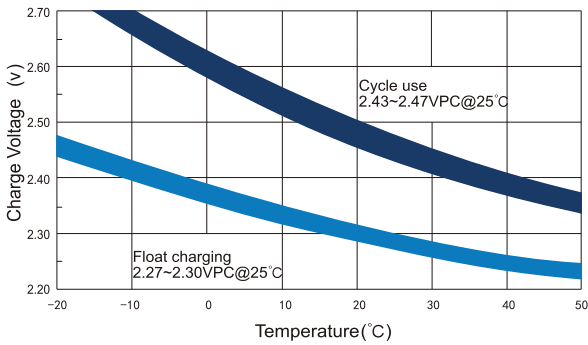
Cycle Life In Relation To Depth Of Discharge



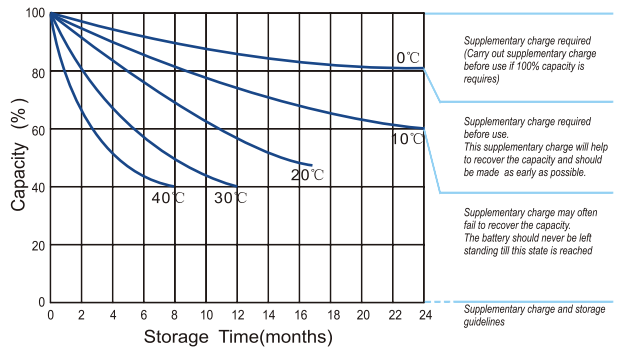
Temperature Effects On Capacity



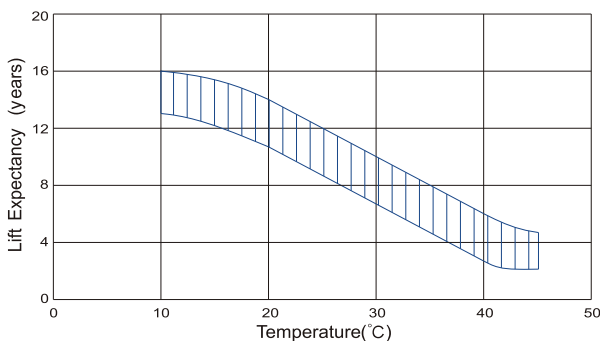
Relationship Between Charging Voltage And Temperature



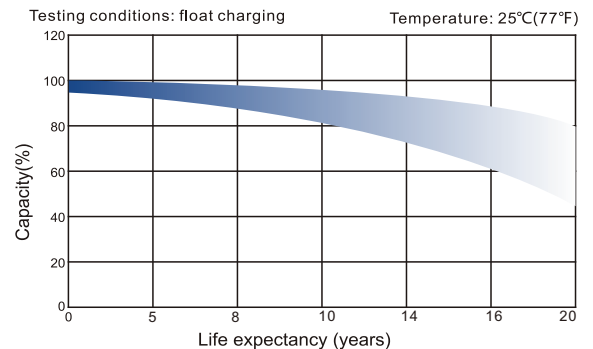
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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