

GENERAL FEATURES

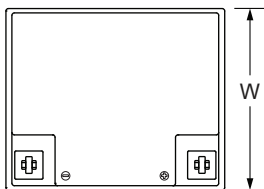
- **Long Service Life** - Thick plate design and efficient gas recombination yield a service life expectancy of up to 10 years in standby mode.
- **Low Internal Resistance** - Superb high-rate discharge characteristics ensure reliable performance in UPS and Telecom applications.
- **Maintenance-Free, Non-Spillable** - Proven VRLA technology guarantees safe operation without maintenance and 'non- restricted article' status for transportation.
- **Low Self-Discharge** - Lead-calcium alloy grids and use of high purity lead account for superior shelf-life characteristics permitting storage for extended periods of time.
- **Designed-In Reliability** - Cutting-edge manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance

PERFORMANCE SPECIFICATIONS

Nominal Voltage	12V(6 cells)	
Design Floating Life @25°C	12 Years	
Nominal Capacity @25°C	20 hour rate	40.00Ah
	10 hour rate	39.10Ah
	5 hour rate	34.25Ah
	3 hour rate	31.23Ah
	1 hour rate	24.24Ah
Internal Resistance	Full Charged Battery@25°C <8mΩ	
Energy Density (20-hr. rate)	86.41W-h/l	
Specific Energy (20-hr. rate)	36.92W-h/kg	
Shelf Life (nominal capacity at 20°C)	1 Month	97%
	3 Months	91%
	6 Months	83%
Max.Discharge Current@25°C	7 Min.	120.0A
Max Short-Duration Discharge Current	10 Sec	380.0A
Standby Use Charge (Constant Voltage) @25°C	Initial Charging Current Less than 12A	
	Voltage 13.6-13.8V	
Cycle Use Charge (Constant Voltage) @25°C	Initial Charging Current Less than 12A	
	Voltage 14.6-14.8 V	
Operating Temperature Range	Charge	0°C to 50°C
	Discharge	-20°C to 60°C

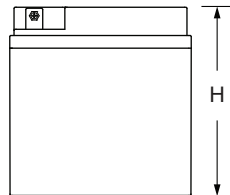
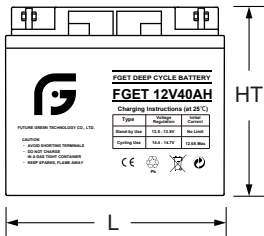
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mm



Unit: mm

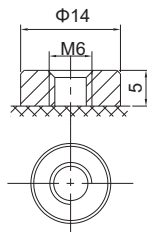
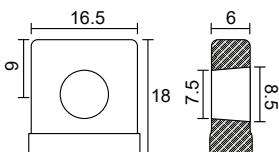
Length	198±1
Width	166±1
Height	169±1
Total Height	169±1
Weight(kg)	13.0±3%

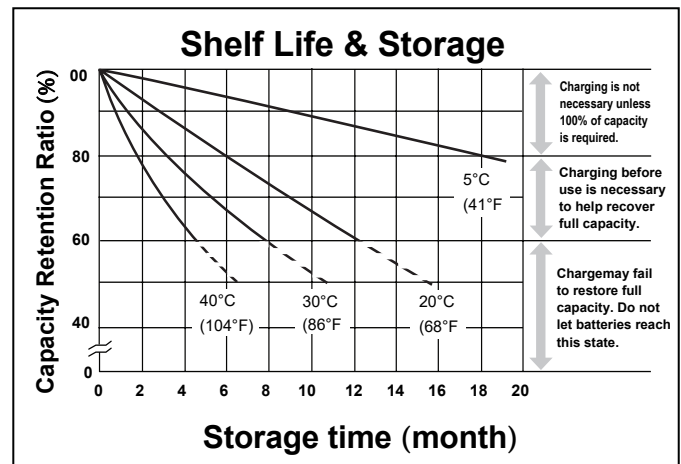
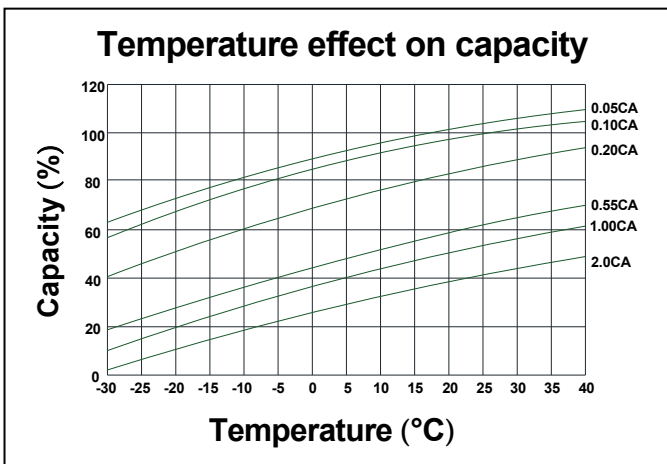
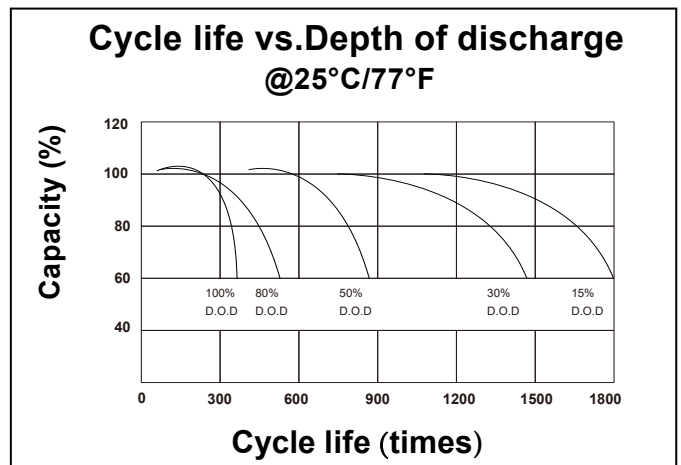
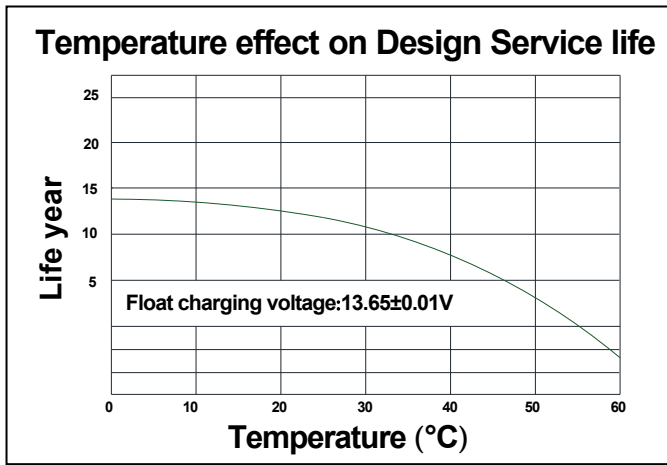
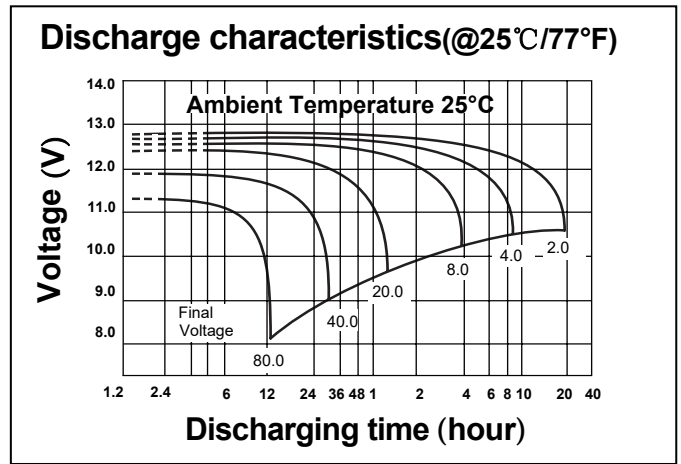
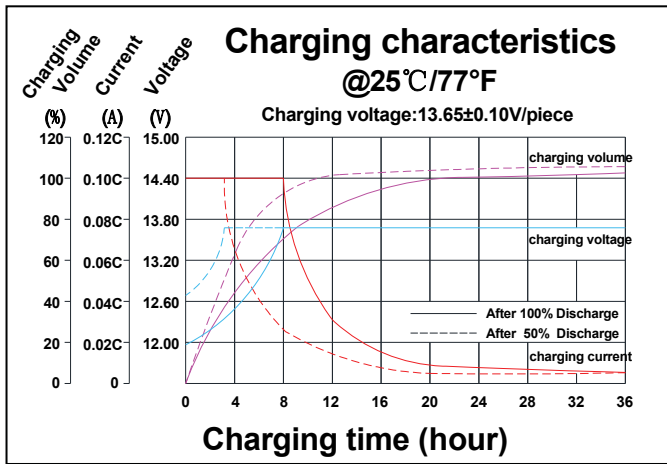


TERMINALS

mm

- NB4: Heavy duty terminal posts with nut and bolt fasteners
- T6: Threaded insert w. 6 mm stud fastener





CONSTANT CURRENT DISCHARGE RATINGS (Amperes at 25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	133.2	98.0	73.14	41.96	24.24	14.20	10.57	8.37	7.05	4.81	4.08	2.08
1.65V	128.3	94.73	70.95	41.08	23.79	13.96	10.41	8.25	6.97	4.76	4.04	2.06
1.70V	121.9	90.47	68.07	39.91	23.18	13.64	10.19	8.10	6.85	4.69	3.98	2.03
1.75V	113.3	84.77	64.21	38.33	22.35	13.20	9.90	7.89	6.69	4.59	3.91	2.00
1.80V	102.0	77.14	59.01	36.16	21.21	12.59	9.49	7.60	6.47	4.45	3.80	1.95
1.85V	86.71	66.73	51.84	33.08	19.59	11.72	8.90	7.17	6.14	4.25	3.65	1.88