

GP3000-2 2V3000AH

GP SERIES-Telecom Battery




Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	3000AH	
Dimension	Length	696±3mm (27.91 inches)
	Width	340±3mm (13.78 inches)
	Container Height	340±3mm (13.27 inches)
	Total Height (with Terminal)	341±3mm (13.74 inches)
Approx Weight	Approx 176.5 kg (388.65 lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	3055.0 AH/305.5A	(10hr, 1.80V/cell, 25°C/77°F)
	2676.5 AH/535.3A	(5hr, 1.75V/cell, 25°C/77°F)
	2439.0 AH/813.0A	(3hr, 1.75V/cell, 25°C/77°F)
	1903.0 AH/1903.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	24000A (5s)	
Internal Resistance	Approx 0.2 mΩ	
Operating Temp. Range	Discharge : -15~50°C (5~122°F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 900.0 A. Voltage	
	2.4V~2.5 V at 25 °C(77 °F)Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	2.25V~2.3V at 25 °C(77 °F)Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104 °F)	103%
	25°C (77 °F)	100%
	0°C (32 °F)	86%
Self Discharge	JYC GP series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Applications

- ◆ Tele-communication central station (wired or cellular)
- ◆ Power system communication, military communication, etc.
- ◆ Network communication including: data transmission, television signal transmission, etc.
- ◆ Uninterruptable Power System (UPS- for Telecom)

ISO 9001	ISO 14001	OHSAS 18001	TLC
CE	RoHS	 	

Constant Current Discharge (Amperes) at 25 °C (77°F)

End	15min	30min	45min	1h	2h	3h	4h	5h	10h
1. 60V	4692	3316	2584	1903	1308.2	861.0	650.2	554.1	308.8
1. 65V	4630	3260	2498	1872	1252.1	849.1	638.1	547.0	308.2
1. 70V	4450	3130	2413	1842	1222.0	843.2	626.0	544.2	307.1
1. 75V	4141	2944	2290	1786	1179.3	813.0	608.2	535.3	306.2
1. 80V	3893	2851	2179	1707	1111.4	783.4	594.4	521.4	305.5

Constant Power Discharge (Watts) at 25 °C (77°F)

End	15min	30min	45min	1h	2h	3h	4h	5h	10h
1. 60V	8802	6198	4586	3272	2370.2	1685.1	1276.0	1084.1	613.4
1. 65V	8653	6074	4518	3254	2351.1	1673.3	1264.1	1078.2	612.3
1. 70V	8368	5907	4359	3223	2327.2	1655.4	1234.2	1071.0	611.6
1. 75V	7903	5647	4174	3069	2222.1	1601.1	1198.0	1059.3	610.3
1. 80V	7367	5219	3910	2916	2136.4	1535.4	1174.3	1035.4	609.2

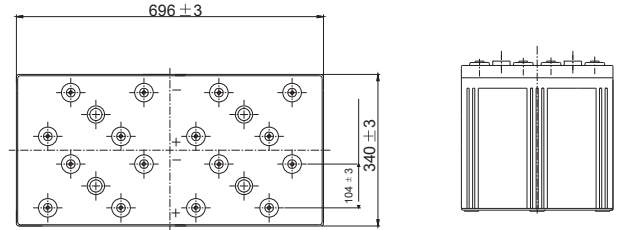
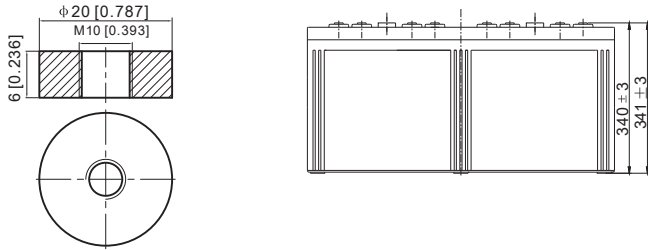
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

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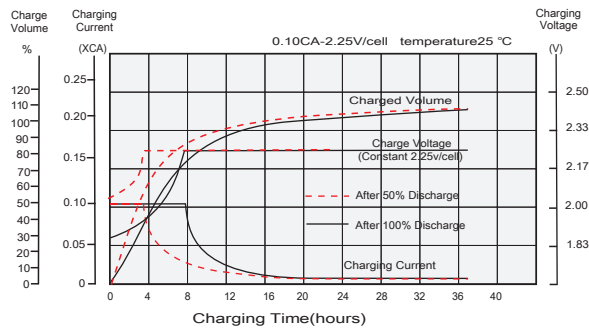
GP SERIES-Telecom Battery

Dimensions

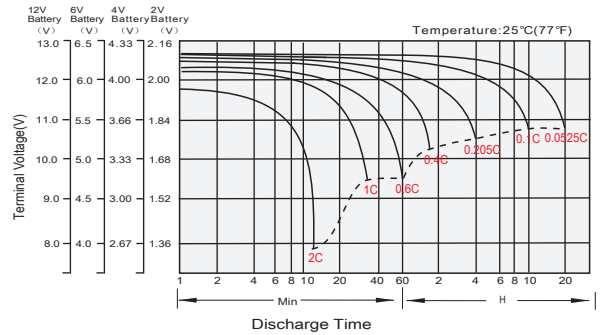
T11 Terminal
Unit: mm [inches]



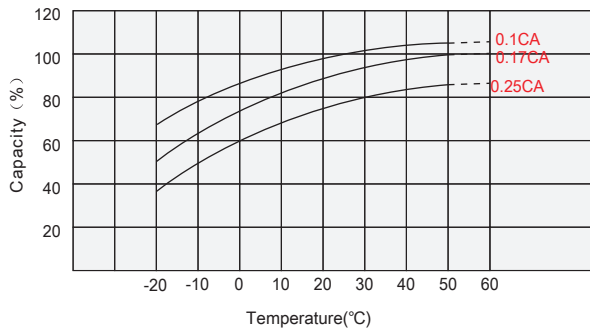
Float Charging Characteristics



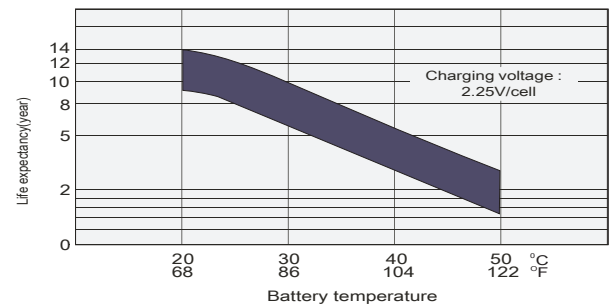
Discharge Characteristics



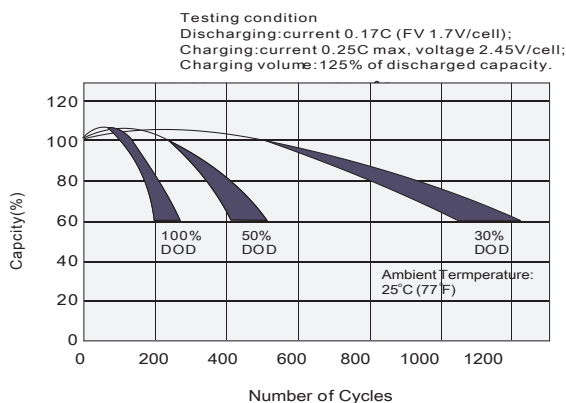
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

