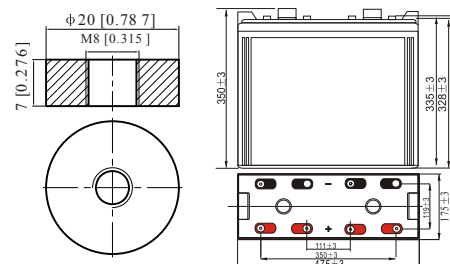


Specification

Nomial Voltage	2V	
Nomial Capacity(10hrs rate)	1000.0AH	
Dimension	Length	475± 3mm(18.70 inches)
	Width	175± 3mm(6.89 inches)
	Container Height	328 ±3mm(12.91 inches)
	Total Height (with Terminal)	350 ±3mm(13.78 inches)
Approx Weight	Approx 66.5 Kg (146.6lbs)	
Design Float Life	20 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	1070.0AH/53.5A	(20hr, 1.80V/cell, 25°C/77°F)
	1000.0AH/100.0A	(10hr, 1.80V/cell, 25°C/77°F)
	870.0AH/174.0A	(5hr, 1.75V/cell, 25°C/77°F)
	780.0AH/260.0A	(3hr, 1.75V/cell, 25°C/77°F)
	620.0AH/620.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	8000A (5s)	
Internal Resistance	Approx 0.45mΩ	
Operating Temp.Range	Discharge :	-15~50°C (5~120°F)
	Charge :	0~40°C (5~104°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 300.0A.Voltage 2.4V~2.5V 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	≤1.5% per month	
	RUZET TPG series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required.	



Applications

- UPS and EPS
- Emergency light
- Railway signal and aircraft signal system
- Marine and power stations Alarm and security system
- Electronic apparatus and equipment
- Communication power supply, DC power supply

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

F.V/Time	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1170.0	984.0	873.0	724.0	558.7	478.0	309.5	232.7	190.6	160.4	140.5	112.7	96.9	51.7
1.80V/cell	1338.8	1105.0	965.2	786.4	602.7	504.6	332.7	250.0	202.6	170.0	148.9	118.6	100.0	53.5
1.75V/cell	1520.5	1245.4	1066.7	854.5	657.3	550.0	346.0	260.0	209.6	174.0	153.5	122.6	102.7	54.9
1.70V/cell	1717.3	1381.7	1177.4	932.9	708.0	582.0	364.5	273.7	219.0	184.0	160.9	127.8	106.6	56.3
1.65V/cell	1844.2	1479.3	1252.6	984.5	749.3	602.0	377.9	284.7	227.7	189.8	166.5	132.1	109.6	58.0
1.60V/cell	\	1620.3	1360.7	1050.5	778.7	620.0	387.5	292.0	232.7	194.4	170.0	134.4	111.9	58.9

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

F.V/Time	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2080.57	1767.43	1583.90	1328.00	1033.33	887.24	578.29	436.48	358.57	302.48	265.71	214.10	184.48	98.57
1.80V/cell	2353.05	1958.29	1725.71	1420.57	1106.19	931.52	617.52	466.29	379.14	319.14	280.48	224.67	190.10	101.81
1.75V/cell	2630.10	2180.38	1889.05	1531.05	1195.05	1010.86	639.90	483.05	390.86	325.52	288.38	231.62	194.95	104.29
1.70V/cell	2903.81	2385.71	2069.62	1662.38	1282.48	1066.29	672.67	507.43	407.62	343.71	301.71	241.14	202.29	106.86
1.65V/cell	3090.19	2534.86	2185.43	1740.10	1345.24	1095.05	693.43	525.62	422.10	353.33	311.24	248.67	207.62	110.00
1.60V/cell	\	2730.95	2348.57	1843.90	1390.48	1121.90	707.62	536.76	430.19	360.76	316.86	252.48	211.62	111.62