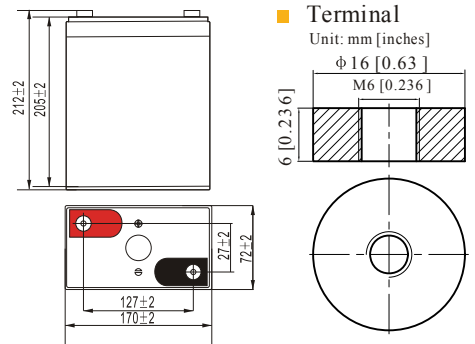


## Specification

Nominal Voltage	2V		
Nominal Capacity(10hrs rate)	100.0AH		
Dimension	Length	170±2mm(6.69 inches)	
	Width	72±2mm(2.83 inches)	
	Container Height	205±2mm(8.07 inches)	
	Total Height (with Terminal)	212±2mm(8.35 inches)	
Approx Weight	Approx 6.0 Kg (13.2 lbs)		
Design Float Life	20 years at 25°C(77°F)		
Container Material	ABS		
Rated Capacity	107.0 AH/5.35A	(20hr, 1.80V/cell, 25°C/77°F)	
	100.0 AH/10.0A	(10hr, 1.80V/cell, 25°C/77°F)	
	87.0 AH/17.4A	( 5hr, 1.75V/cell, 25°C/77°F)	
	78.0 AH/26.0A	( 3hr, 1.75V/cell, 25°C/77°F)	
	62.0 AH/62.0A	( 1hr, 1.60V/cell, 25°C/77°F)	
Max. Discharge Current	800A (5s)		
Internal Resistance	Approx 1.4mΩ		
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 30.0A. 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	117.0	98.4	87.3	72.4	55.9	47.8	31.0	23.3	19.1	16.0	14.1	11.3	9.69	5.17
1.80V/cell	133.9	110.5	96.5	78.6	60.3	50.5	33.3	25.0	20.3	17.0	14.9	11.9	10.0	5.35
1.75V/cell	152.1	124.5	106.7	85.5	65.7	55.0	34.6	26.0	21.0	17.4	15.4	12.3	10.3	5.49
1.70V/cell	171.7	138.2	117.7	93.3	70.8	58.2	36.5	27.4	21.9	18.4	16.1	12.8	10.7	5.63
1.65V/cell	184.4	147.9	125.3	98.5	74.9	60.2	37.8	28.5	22.8	19.0	16.7	13.2	11.0	5.80
1.60V/cell	202.9	162.0	136.1	105.1	77.9	62.0	38.8	29.2	23.3	19.4	17.0	13.4	11.2	5.89

### 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	208.10	176.76	158.38	132.76	103.33	88.76	57.81	43.62	35.90	30.29	26.57	21.43	18.48	9.81
1.80V/cell	235.33	195.81	172.57	142.10	110.57	93.14	61.71	46.67	37.90	31.90	28.00	22.48	19.05	10.19
1.75V/cell	263.05	218.00	188.86	153.14	119.52	101.05	64.00	48.29	39.05	32.57	28.86	23.14	19.52	10.38
1.70V/cell	290.38	238.57	206.95	166.29	128.29	106.67	67.24	50.76	40.76	34.38	30.19	24.10	20.19	10.67
1.65V/cell	309.05	253.52	218.57	174.00	134.48	109.52	69.33	52.57	42.19	35.33	31.14	24.86	20.76	11.05
1.60V/cell	332.29	273.14	234.86	184.38	139.05	112.19	70.76	53.71	43.05	36.10	31.71	25.24	21.14	11.14