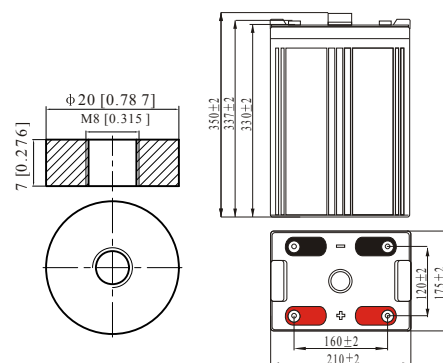


Specification

Nomial Voltage	2V	
Nominal Capacity(10hrs rate)	450.0AH	
Dimension	Length	210±2mm(8.27 inches)
	Width	175±2mm(6.89 inches)
	Container Height	330 ±2mm(12.99 inches)
	Total Height (with Terminal)	350 ±2mm(13.78 inches)
Approx Weight	Approx 28.5Kg (62.8lbs)	
Design Float Life	20 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	481.5AH/24.1A	(20hr, 1.80V/cell, 25°C/77°F)
	450.0AH/45.0A	(10hr, 1.80V/cell, 25°C/77°F)
	391.5AH/78.3A	(5hr, 1.75V/cell, 25°C/77°F)
	351.0AH/117.0A	(3hr, 1.75V/cell, 25°C/77°F)
	279.0AH/279.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	3600A (5s)	
Internal Resistance	Approx 0.65mΩ	
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 135.0A.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	40°C (104°F)	103%
Temperature	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	526.5	442.8	392.9	325.8	251.4	215.1	139.3	104.7	85.8	72.2	63.2	50.7	43.6	23.3
1.80V/cell	602.4	497.2	434.3	353.9	271.2	227.0	149.7	112.5	91.2	76.5	67.0	53.4	45.0	24.1
1.75V/cell	684.2	560.4	480.0	384.5	295.8	247.5	155.7	117.0	94.3	78.3	69.1	55.2	46.2	24.7
1.70V/cell	772.8	621.8	529.8	419.8	318.6	261.9	164.0	123.2	98.6	82.8	72.4	57.5	48.0	25.3
1.65V/cell	829.9	665.7	563.7	443.0	337.2	270.9	170.1	128.1	102.4	85.4	74.9	59.4	49.3	26.1
1.60V/cell	912.9	729.1	612.3	472.7	350.4	279.0	174.4	131.4	104.7	87.5	76.5	60.5	50.4	26.5

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	936.29	795.33	712.76	597.62	465.05	399.24	260.29	196.38	161.33	136.10	119.62	96.38	83.05	44.38
1.80V/cell	1058.86	881.24	776.57	639.24	497.81	419.24	277.90	209.81	170.67	143.62	126.19	101.05	85.52	45.81
1.75V/cell	1183.52	981.14	850.10	688.95	537.81	454.86	287.90	217.33	175.90	146.48	129.71	104.29	87.71	46.95
1.70V/cell	1306.76	1073.52	931.33	748.10	577.14	479.81	302.67	228.38	183.43	154.67	135.81	108.57	91.05	48.10
1.65V/cell	1390.57	1140.67	983.43	783.05	605.33	492.76	312.00	236.48	190.00	159.05	140.10	111.90	93.43	49.52
1.60V/cell	1495.33	1228.95	1056.86	829.81	625.71	504.86	318.38	241.52	193.62	162.29	142.57	113.62	95.24	50.29