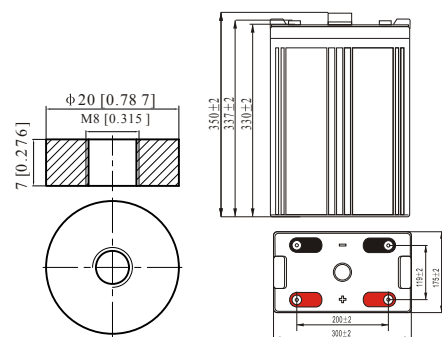


Specification

Nominal Voltage	2V	
Nominal Capacity(10hrs rate)	600.0AH	
Dimension	Length	300±2mm(11.81 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 38.2Kg (84.2lbs)	
Design Float Life	20 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	642.0AH/32.1A	(20hr, 1.80V/cell, 25°C/77°F)
	600.0AH/60.0A	(10hr, 1.80V/cell, 25°C/77°F)
	522.5AH/104.4A	(5hr, 1.75V/cell, 25°C/77°F)
	468.0AH/156.0A	(3hr, 1.75V/cell, 25°C/77°F)
	372.0AH/372.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	4800A (5s)	
Internal Resistance	Approx 0.55mΩ	
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 180.0A.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%
	≤1.5% per month	
Self Discharge	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	702.0	590.4	523.8	434.4	335.2	286.8	185.7	139.6	114.4	96.2	84.3	67.6	58.1	31.0
1.80V/cell	803.3	663.0	579.1	471.8	361.6	302.7	199.6	150.0	121.6	102.0	89.3	71.2	60.0	32.1
1.75V/cell	912.3	747.2	640.0	512.7	394.4	330.0	207.6	156.0	125.8	104.4	92.1	73.6	61.6	32.9
1.70V/cell	\	829.0	706.4	559.8	424.8	349.2	218.7	164.2	131.4	110.4	96.5	76.7	64.0	33.8
1.65V/cell	\	887.6	751.5	590.7	449.6	361.2	226.7	170.8	136.6	113.9	99.9	79.3	65.8	34.8
1.60V/cell	\	\	816.4	630.3	467.2	372.0	232.5	175.2	139.6	116.7	102.0	80.6	67.2	35.4

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	1248.38	1060.48	950.29	796.86	620.00	532.29	346.95	261.90	215.14	181.52	159.43	128.48	110.67	59.14
1.80V/cell	1411.81	1174.95	1035.43	852.29	663.71	558.95	370.57	279.71	227.52	191.52	168.29	134.76	114.10	61.05
1.75V/cell	1578.10	1308.19	1133.43	918.67	717.05	606.48	383.90	289.81	234.57	195.33	173.05	138.95	116.95	62.57
1.70V/cell	\	1431.43	1241.81	997.43	769.52	639.81	403.62	304.48	244.57	206.19	181.05	144.67	121.43	64.10
1.65V/cell	\	1520.95	1311.24	1044.00	807.14	657.05	416.00	315.33	253.24	212.00	186.76	149.24	124.57	66.00
1.60V/cell	\	\	1409.14	1106.38	834.29	673.14	424.57	322.00	258.10	216.48	190.10	151.52	126.95	66.95