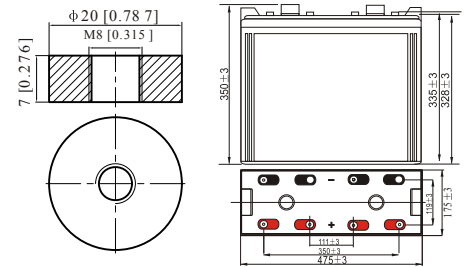


Specification

Nominal Voltage	2V	
Nominal 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%
		≤1.5% per month
Self Discharge	RUZET TPA 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	2184.6	1855.8	1663.1	1394.4	1085.0	931.6	607.2	458.3	376.5	317.6	279.0	224.8	193.7	103.5
1.80V/cell	2470.7	2056.2	1812.0	1491.6	1161.5	978.1	648.4	489.6	398.1	335.1	294.5	235.9	199.6	106.9
1.75V/cell	2761.6	2289.4	1983.5	1607.6	1254.8	1061.4	671.9	507.2	410.4	341.8	302.8	243.2	204.7	109.5
1.70V/cell	3049.0	2505.0	2173.1	1745.5	1346.6	1119.6	706.3	532.8	428.0	360.9	316.8	253.2	212.4	112.2
1.65V/cell	3244.7	2661.6	2294.7	1827.1	1412.5	1149.8	728.1	551.9	443.2	371.0	326.8	261.1	218.0	115.5
1.60V/cell	\	2867.5	2466.0	1936.1	1460.0	1178.0	743.0	563.6	451.7	378.8	332.7	265.1	222.2	117.2