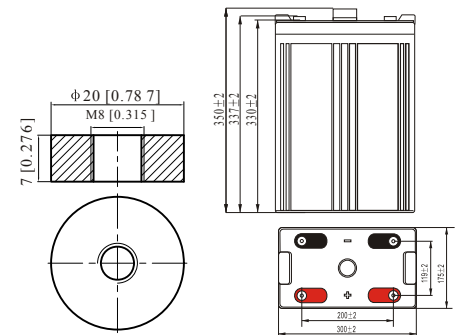


### Specification

Nominal Voltage	2V	
Nominal Capacity(10hrs rate)	700.0AH	
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 40.5Kg (89.3lbs)	
Design Float Life	20 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	749.0AH/37.5A	(20hr, 1.80V/cell, 25°C/77°F)
	700.0AH/70.0A	(10hr, 1.80V/cell, 25°C/77°F)
	609.0AH/121.8A	( 5hr, 1.75V/cell, 25°C/77°F)
	536.0AH/182.0A	( 3hr, 1.75V/cell, 25°C/77°F)
	434.0AH/434.0A	( 1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	5600A (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 210.0A.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 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	819.0	688.8	611.1	506.8	391.1	334.6	216.7	162.9	133.4	112.3	98.4	78.9	67.8	36.2
1.80V/cell	937.1	773.5	675.6	550.5	421.9	353.2	232.9	175.0	141.8	119.0	104.2	83.0	70.0	37.5
1.75V/cell	\	871.8	746.7	598.2	460.1	385.0	242.2	182.0	146.7	121.8	107.5	85.8	71.9	38.4
1.70V/cell	\	967.2	824.2	653.1	495.6	407.4	255.2	191.6	153.3	128.8	112.6	89.4	74.6	39.4
1.65V/cell	\	\	876.8	689.2	524.5	421.4	264.5	199.3	159.4	132.9	116.6	92.5	76.7	40.6
1.60V/cell	\	\	952.5	735.4	545.1	434.0	271.3	204.4	162.9	136.1	119.0	94.1	78.3	41.3

### 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	1529.2	1299.1	1164.1	976.1	759.5	652.1	425.1	320.8	263.6	222.3	195.3	157.4	135.6	72.4
1.80V/cell	1729.5	1439.4	1268.4	1044.1	813.0	684.7	453.9	342.7	278.7	234.6	206.1	165.1	139.7	74.8
1.75V/cell	\	1602.6	1388.4	1125.3	878.4	743.0	470.3	355.0	287.3	239.3	211.9	170.3	143.3	76.6
1.70V/cell	\	1753.5	1521.2	1221.9	942.6	783.7	494.4	373.0	299.6	252.6	221.8	177.3	148.7	78.5
1.65V/cell	\	\	1606.3	1279.0	988.7	804.9	509.6	386.3	310.3	259.7	228.8	182.8	152.6	80.9
1.60V/cell	\	\	1726.2	1355.3	1022.0	824.6	520.1	394.5	316.2	265.1	232.9	185.6	155.6	82.1