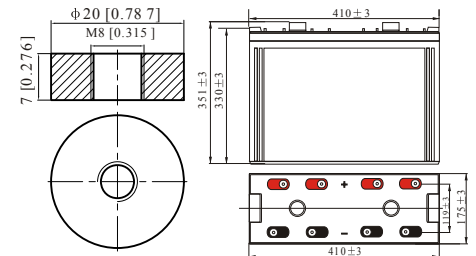


Specification

Nominal Voltage	2V	
Nominal Capacity(10hrs rate)	800.0AH	
Dimension	Length	410± 3mm(16.14 inches)
	Width	175± 3mm(6.89 inches)
	Container Height	330 ±3mm(12.99 inches)
	Total Height (with Terminal)	351 ±3mm(13.82 inches)
Approx Weight	Approx 40.5Kg (89.3lbs)	
Design Float Life	20 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	856.0AH/42.8A	(20hr, 1.80V/cell, 25°C/77°F)
	800.0AH/80.0A	(10hr, 1.80V/cell, 25°C/77°F)
	696.0AH/139.5A	(5hr, 1.75V/cell, 25°C/77°F)
	624.0AH/208.0A	(3hr, 1.75V/cell, 25°C/77°F)
	496.0AH/496.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	6400A (5s)	
Internal Resistance	Approx 0.50mΩ	
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 240.0A.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	936.0	787.2	698.4	579.2	446.9	382.4	247.6	186.2	152.5	128.3	112.4	90.2	77.5	41.4
1.80V/cell	1071.0	884.0	772.2	629.1	482.1	403.6	266.2	200.0	162.1	136.0	119.1	94.9	80.0	42.8
1.75V/cell	1216.4	996.3	853.3	683.6	525.9	440.0	276.8	208.0	167.7	139.2	122.8	98.1	82.2	43.9
1.70V/cell	1373.8	1105.3	941.9	746.3	566.4	465.6	291.6	218.9	175.2	147.2	128.7	102.2	85.3	45.0
1.65V/cell	1475.3	1183.5	1002.1	787.6	599.5	481.6	302.3	227.7	182.1	151.8	133.2	105.7	87.7	46.4
1.60V/cell	1623.0	1296.2	1088.6	840.4	622.9	496.0	310.0	233.6	186.2	155.5	136.0	107.5	89.5	47.2

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	1747.7	1484.7	1330.5	1115.5	868.0	745.3	485.8	366.6	301.2	254.1	223.2	179.9	155.0	82.8
1.80V/cell	1976.5	1645.0	1449.6	1193.3	929.2	782.5	518.7	391.6	318.5	268.1	235.6	188.7	159.7	85.5
1.75V/cell	2209.3	1831.5	1586.8	1286.1	1003.9	849.1	537.5	405.7	328.4	273.5	242.2	194.6	163.8	87.6
1.70V/cell	2439.2	2004.0	1738.5	1396.4	1077.3	895.7	565.1	426.3	342.4	288.7	253.4	202.6	169.9	89.7
1.65V/cell	2595.7	2129.3	1835.8	1461.7	1130.0	919.9	582.4	441.5	354.6	296.8	261.5	208.9	174.4	92.4
1.60V/cell	2791.2	2294.0	1972.8	1548.9	1168.0	942.4	594.4	450.8	361.3	303.0	266.2	212.1	177.8	93.8