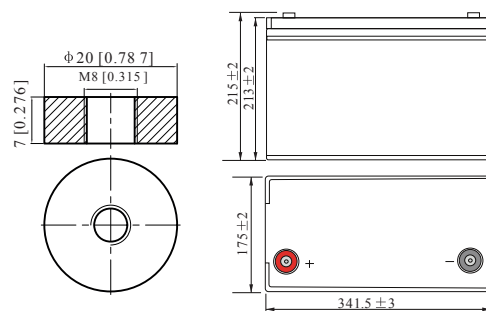


Specification

Nomial Voltage	12V	
Nomial Capacity(10hrs rate)	100.0AH	
Dimension	Length	341.5 ± 3mm(13.44 inches)
	Width	175 ± 2mm(6.88 inches)
	Container Height	213± 2mm(8.38 inches)
	Total Height (with Terminal)	215± 2mm(8.46 inches)
Approx Weight	Approx 29.8 Kg (65.7.5 lbs)	
Design Float Life	12 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	106.0AH/5.30A	(20hr, 1.80V/cell, 25°C/77°F)
	100.0AH/10.0A	(10hr, 1.80V/cell, 25°C/77°F)
	87.0AH/17.4A	(5hr, 1.75V/cell, 25°C/77°F)
	78.0AH/26.0A	(3hr, 1.75V/cell, 25°C/77°F)
	69.2AH/69.2A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1250A (5s)	
Internal Resistance	Approx 3.5mΩ	
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 30.0A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°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 LPA series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required.	



■ Terminal
Unit: mm [inches]



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	194.1	160.4	137.7	106.8	79.3	61.7	34.3	24.5	19.7	16.6	14.1	11.5	9.80	5.19
1.80V/cell	216.6	176.2	147.6	111.9	82.2	64.0	35.4	25.4	20.3	17.0	14.9	11.8	10.0	5.30
1.75V/cell	229.7	184.3	153.9	115.5	84.5	65.7	36.2	25.9	20.8	17.4	15.4	12.0	10.1	5.38
1.70V/cell	241.9	192.0	158.6	118.9	86.3	67.0	36.9	26.4	21.1	17.7	16.1	12.1	10.3	5.42
1.65V/cell	262.2	204.1	166.2	122.0	87.6	68.0	37.5	26.9	21.4	18.0	16.7	12.3	10.4	5.46
1.60V/cell	276.5	212.8	172.4	125.4	89.3	69.2	38.3	27.3	21.8	18.3	17.0	12.5	10.5	5.51

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	368.3	306.8	265.0	207.9	156.7	122.3	68.5	49.1	39.6	33.5	27.9	23.4	19.9	10.6
1.80V/cell	404.4	332.6	281.2	216.4	161.6	126.1	70.3	50.7	40.7	34.2	29.4	23.8	20.3	10.8
1.75V/cell	424.5	344.6	290.8	221.6	164.8	128.8	71.6	51.5	41.5	34.9	30.3	24.2	20.5	10.9
1.70V/cell	440.2	354.7	296.8	226.2	167.3	130.6	72.6	52.3	42.0	35.4	31.7	24.4	20.7	11.0
1.65V/cell	472.5	373.2	308.4	231.1	169.2	132.1	73.6	53.0	42.5	35.9	32.7	24.7	20.9	11.1
1.60V/cell	484.9	381.0	314.7	234.6	170.6	133.2	74.4	53.5	42.9	36.2	33.3	24.9	21.0	11.2