

Specification

Nominal Voltage	12V	
Nominal Capacity(10hrs rate)	130.0AH	
Dimension	Length	551 ± 3mm(21.69 inches)
	Width	110 ± 2mm(4.33 inches)
	Container Height	287 ± 2mm(11.3 inches)
	Total Height (with Terminal)	287 ± 2mm(11.3 inches)
Approx Weight	Approx 40.5 Kg (89.3 lbs)	
Design Float Life	12 years at 25°C(77°F)	
Container Material	ABS	
Rated Capacity	137.4AH/6.87A	(20hr, 1.80V/cell, 25°C/77°F)
	129.7AH/12.98A	(10hr, 1.80V/cell, 25°C/77°F)
	125.0AH/15.63A	(5hr, 1.75V/cell, 25°C/77°F)
	118.1AH/23.62A	(3hr, 1.75V/cell, 25°C/77°F)
	86.5H/86.5A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1100A (5s)	
Internal Resistance	Approx 3.2mΩ	
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 37.5A.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.	



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	217.4	181.2	155.5	122.0	94.6	76.9	45.9	33.0	26.5	21.9	19.1	14.9	12.4	6.57
1.80V/cell	246.5	202.0	172.1	133.5	101.8	82.1	48.4	35.1	27.9	23.1	20.1	15.6	13.0	6.87
1.75V/cell	270.5	218.6	183.7	140.3	105.7	85.0	49.3	35.7	28.6	23.6	20.4	15.8	13.1	6.98
1.70V/cell	289.3	230.2	191.1	144.4	108.1	86.1	50.0	36.1	28.8	23.8	20.6	16.0	13.3	7.03
1.65V/cell	299.4	236.0	195.0	146.2	108.5	86.5	50.1	36.3	29.0	24.0	20.9	16.3	13.4	7.06
1.60V/cell	314.7	245.0	203.8	149.9	111.4	88.8	51.0	37.0	29.6	24.6	21.3	16.6	13.6	7.10

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	405.9	341.8	296.3	234.9	183.7	149.9	90.0	65.0	52.4	43.5	37.9	29.7	24.8	13.2
1.80V/cell	454.8	375.8	323.1	253.2	196.1	159.1	94.3	68.8	54.8	45.5	39.7	31.1	25.9	13.7
1.75V/cell	491.2	401.8	341.6	263.9	201.7	164.0	95.7	69.6	56.0	46.4	40.2	31.4	26.2	13.9
1.70V/cell	513.7	417.4	352.7	270.1	205.6	165.7	96.9	70.2	56.3	46.5	40.6	31.8	26.4	14.0
1.65V/cell	529.5	426.0	358.5	273.0	205.6	1660	97.0	70.4	56.6	47.0	41.0	32.2	26.6	14.1
1.60V/cell	541.3	433.6	369.3	276.2	208.8	168.6	97.8	71.4	57.5	48.0	41.6	32.8	27.1	14.1