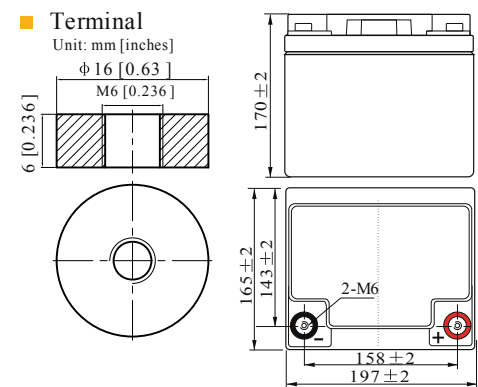


Specification

Nominal Voltage	12V		
Nominal Capacity(10hrs rate)	50.0AH		
Dimension	Length	197 ± 2mm(7.76 inches)	
	Width	165 ± 2mm(6.50 inches)	
	Container Height	170 ± 2mm(6.69 inches)	
	Total Height (with Terminal)	170 ± 2mm(6.69 inches)	
Approx Weight	Approx 14.5 Kg (32.0 lbs)		
Design Float Life	12 years at 25°C(77°F)		
Container Material	ABS		
Rated Capacity	51.1AH	(20hr, 1.80V/cell, 25°C/77°F)	
	50.0AH	(10hr, 1.80V/cell, 25°C/77°F)	
Max. Discharge Current	540A (5s)		
Internal Resistance	Approx 7.4mΩ		
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 15A.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 LPG 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
1.85V/cell	67.3	57.2	47.9	38.0	28.8	23.6	15.0	11.9	9.70	7.82	6.81	5.53	4.72
1.80V/cell	86.0	69.1	56.6	44.9	33.5	26.4	16.4	12.8	10.4	8.40	7.30	5.86	5.00
1.75V/cell	94.5	75.5	60.9	46.6	34.7	27.6	17.0	13.0	10.6	8.60	7.50	5.96	5.05
1.70V/cell	103.0	80.6	64.0	48.5	36.1	28.5	17.7	13.4	10.9	8.83	7.66	6.05	5.10
1.65V/cell	111.1	85.7	67.9	51.2	37.0	29.5	18.2	13.9	11.2	9.08	7.83	6.14	5.21
1.60V/cell	120.6	91.7	72.4	54.0	38.6	30.5	18.8	14.4	11.6	9.38	8.00	6.20	5.26

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
1.85V/cell	118.4	101.7	85.9	69.1	52.7	43.3	27.8	22.0	18.1	14.6	12.8	10.4	8.90
1.80V/cell	149.4	121.2	100.1	80.2	60.9	48.3	30.1	23.6	19.1	15.6	13.6	11.0	9.41
1.75V/cell	161.6	130.8	106.6	82.6	62.5	50.3	31.1	23.9	19.5	15.9	13.9	11.1	9.50
1.70V/cell	172.1	137.6	111.2	85.5	64.8	51.6	32.3	24.6	20.0	16.3	14.2	11.3	9.62
1.65V/cell	184.1	145.2	117.2	89.4	65.8	53.1	33.0	25.4	20.7	16.8	14.5	11.4	9.71
1.60V/cell	195.2	152.8	123.5	93.8	68.2	54.6	33.9	26.1	21.2	17.2	14.8	11.5	9.81