



Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	12.0AH	
Dimension	Length	151 mm
	Width	98 mm
	Container Height	94 mm
Approx Weight	Approx 3.5 kg (7.7lbs)	
Terminal	T1 / T2	
Container Material	ABS	
Rated Capacity	12.0 AH/0.60A	(20hr, 1.80V/cell, 25°C / 77°F)
	11.2 AH/1.12A	(10hr, 1.80V/cell, 25°C / 77°F)
	10.2 AH/2.04A	(5hr, 1.75V/cell, 25°C / 77°F)
	9.2 AH/3.06A	(3hr, 1.75V/cell, 25°C / 77°F)
	7.54AH/7.54A	(1hr, 1.60V/cell, 25°C / 77°F)
Max. Discharge Current	180A (5s)	
Internal Resistance	Approx 17mΩ	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	0~40°C (32~104°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 3.6 A. 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	JYC GP series batteries may be stored for up to 6 months at 25°C (77°F) and then a refreshing charge is required. For higher temperatures the time interval will be shorter.	

Applications

- ◆ All purpose
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	22.9	17.5	14.5	12.6	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.30	1.08	0.594
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.33	6.76	3.90	3.00	2.42	1.99	1.72	1.37	1.12	0.600
1.75V/cell	34.6	24.6	19.2	16.0	11.9	8.64	7.07	4.04	3.06	2.48	2.04	1.77	1.40	1.15	0.606
1.70V/cell	38.1	26.9	20.5	16.8	12.4	8.99	7.29	4.14	3.15	2.54	2.09	1.81	1.42	1.17	0.617
1.65V/cell	42.0	29.0	21.8	17.8	13.1	9.21	7.46	4.20	3.28	2.63	2.15	1.85	1.44	1.19	0.625
1.60V/cell	46.3	31.5	23.3	19.0	13.8	9.60	7.54	4.38	3.38	2.71	2.22	1.89	1.45	1.21	0.629

Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	41.8	32.4	27.1	23.7	18.5	13.8	11.6	6.9	5.4	4.4	3.6	3.6	2.5	2.4	1.8
1.80V/cell	55.5	40.9	32.3	27.6	21.5	15.9	13.0	7.5	5.8	4.7	3.8	3.7	2.7	2.2	1.9
1.75V/cell	61.2	44.3	34.9	29.4	22.2	16.3	13.5	7.6	5.9	4.8	3.9	3.6	2.5	2.2	1.9
1.70V/cell	65.6	47.1	36.7	30.7	22.9	16.9	13.9	7.9	6.0	4.9	4.0	3.5	2.5	2.3	1.2
1.65V/cell	71.3	50.4	38.7	32.3	24.0	17.2	14.1	8.0	6.2	5.0	4.6	3.9	2.8	2.5	1.2
1.60V/cell	76.8	53.5	40.8	34.1	25.2	17.8	14.2	8.3	6.4	5.2	4.8	3.6	2.8	2.7	1.2

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

