

General Series Battery

JYC General (GP) Series VRLA (Valve Regulated Lead-Acid) batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. GP Series Batteries are the general purpose batteries with 10 years floating design life at 25°C, Meet with IEC, BS,JIS and Eurobat standard, UL(MH62092),CE approved.

Application

- \* Emergency Power System
- \* Communication equipment
- \* Telecommunications systems
- \* Uninterruptible power supplies
- \* Electric toy car and wheelchairs, etc.
- \* Power tools
- \* Alarm system
- \* Marine equipment
- \* Medical equipment
- \* Fire and Security system



General Features

- \* Heavy Duty Grid
- \* Mechanized assembly
- \* Non-spillable construction
- \* High Reliability and Stability
- \* Sealed and Maintenance-free
- \* Long Life and low self-discharge design

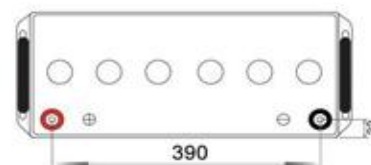
Construction

- \* Positive ..... Lead dioxide
- \* Electrolyte ... Sulfuric Acid
- \* Separator ... Fiber glass
- \* Container .....ABS (UL94-HB) / Flame Retardant ABS (UL94-V0)
- \* Negative ..... Lead
- \* Safety Valve ...EPDR
- \* Terminal ..... Copper

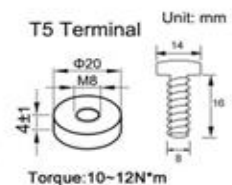
Specification

Battery Model	Nominal Voltage		12V (6 cells per unit)	
	Rated capacity (10 Hour rate)		150Ah	
Dimension	Length	Width	Height	Total Height
	482mm (18.98 inches)	170mm (6.69 inches)	240mm (9.45 inches)	245mm (9.64 inches)
Approx Weight	40.8kg(89.94 lbs) ± 3%			
Internal Resistance	Full charged at 25°C(77°F): Approx 3.60mΩ			
Maximum Charge Current	45A			
Max.discharge current	1200A (5Sec.)			
Short-circuit current	2000A			
Operating Temperature Range	Nominal Operating Temperature	Discharge	Charge	Storage
	25°C(77°F)	-15°C~ 50°C (5°F~122°F)	-15°C~ 40°C (5°F~104°F)	-15°C~ 40°C (5°F~104°F)
Capacity @ 25°C (77°F)	10 hour rate(15.0A, 10.8V)	5 hour rate(25.72A, 10.5V)	3 hour rate(39.2A, 10.2V)	1 hour rate(94.5A, 9.6V)
	150.0Ah	128.6Ah	117.6Ah	94.5Ah
Capacity affected by Temp.(10HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Charge method at 25°C(77°F)	Float Charging Voltage		Cycle Use Voltage	
	13.5~13.8 VDC (-3mV/cell/°C)		14.4~15.0 VDC (-5mV/cell/°C)	
	Equalization Charging Voltage			
	14.1~14.4 VDC (-4mV/cell/°C)			

Outer dimension (mm)



Terminal Type



Constant Current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77°F)

F.V/Time		5min	10min	15min	20min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	A	285	240	200	172	140	83.0	49.9	36.9	24.80	17.70	14.70	7.83
	W	527	450	379	329	271	162	98.3	73.0	49.34	35.34	29.38	15.67
1.80V/cell	A	317	264	219	186	147	86.0	51.3	37.8	25.30	18.00	15.00	7.99
	W	576	488	410	353	282	167	100.7	74.6	50.21	35.86	29.94	15.97
1.75V/cell	A	347	286	237	199	153	88.8	52.6	38.5	25.72	18.25	15.20	8.09
	W	619	520	437	373	291	172	102.9	75.8	50.94	36.30	30.30	16.16
1.70V/cell	A	376	307	254	211	158	91.3	53.8	39.2	26.10	18.47	15.40	8.20
	W	658	550	462	391	298	176	104.9	77.0	51.59	36.68	30.66	16.36
1.67V/cell	A	390	317	262	216	161	92.5	54.3	39.5	26.24	18.55	15.50	8.25
	W	677	563	474	398	303	178	105.8	77.6	51.83	36.82	30.85	16.46
1.60V/cell	A	415	335	275	225	165	94.5	55.1	40.0	26.50	18.70	15.60	8.31
	W	708	587	492	411	308	181	107.1	78.4	52.28	37.08	31.03	16.57

Note: The above datas are average values. (Edition 2024-05 A2)