

General Series battery

JYC GP series valve regulated lead-acid batteries use AGM (Absorbent Glass Fiber Felt) technology and high-quality lead calcium multi-element alloys. Through continuous casting, rolling, and stamping, a compact grain structure is produced to make them more corrosion-resistant. The design of curved grid structure effectively prevents the detachment of active substances. With 6 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
- * Telecommunication 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

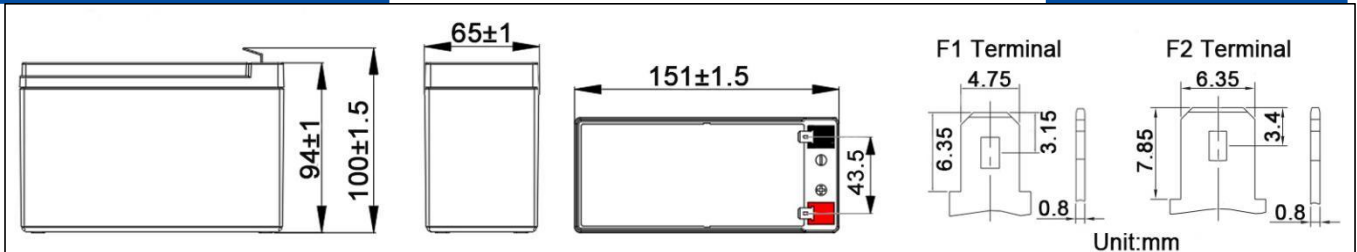
Construction

- * Positive ····· Lead dioxide
- * Electrolyte ····· Sulfuric acid
- * Separator ····· Fiber glass
- * Container ····· ABS(UL94-HB)/Flame Retardant ABS (UL94-V0)
- * Negative ······· Lead
- * Safety Valve ····· EPDM
- * Terminal ······· Copper

Specification

Battery Model	Nominal Voltage		12V (6 cells per unit)	
	Rated capacity (20 Hour rate)		7Ah	
Dimension	Length	Width	Height	Total Height
		151mm (5.94 inches)	65mm (2.56 inches)	94mm (3.70 inches)
Approx Weight	1.96kg(4.32 lbs) ± 3%			
Internal Resistance	Full charged at 25°C(77°F):Approx 32.4mΩ			
Maximum Charge Current	2.10A			
Max.discharge current	105A (5Sec.)			
Short-circuit current	260A			
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)	20 hour rate(0.36A,10.5V)	10 hour rate(0.67A,10.5V)	3 hour rate(1.75A,10.2V)	1 hour rate(4.18A,9.6V)
	7.20Ah	6.70Ah	5.25Ah	4.18Ah
Capacity affected by Temp.(20HR)	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		Equalization Charging Voltage	
	13.5~13.8 VDC (-3mV/cell/°C)		14.1~14.4 VDC (-4mV/cell/°C)	
			Cycle Use Voltage	
			14.4~15.0 VDC (-5mV/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	16.30	12.20	9.87	8.60	6.48	3.85	2.240	1.665	1.140	0.784	0.345
	W	31.04	23.47	19.11	16.78	12.72	7.62	4.470	3.337	2.295	1.583	0.699
1.80V/cell	A	18.30	13.10	10.41	8.91	6.65	3.94	2.288	1.695	1.162	0.801	0.353
	W	34.41	25.00	20.01	17.28	13.00	7.77	4.553	3.388	2.333	1.613	0.713
1.75V/cell	A	20.20	13.95	10.91	9.17	6.80	4.02	2.333	1.723	1.182	0.816	0.360
	W	37.54	26.42	20.84	17.67	13.24	7.90	4.631	3.436	2.369	1.640	0.725
1.70V/cell	A	22.04	14.75	11.39	9.41	6.94	4.09	2.375	1.750	1.199	0.828	0.365
	W	40.48	27.74	21.61	18.03	13.46	8.01	4.703	3.483	2.397	1.660	0.734
1.67V/cell	A	22.95	15.15	11.62	9.52	7.00	4.12	2.394	1.765	1.206	0.833	0.367
	W	41.90	28.39	21.98	18.20	13.55	8.06	4.736	3.508	2.409	1.669	0.738
1.60V/cell	A	24.60	15.80	12.00	9.80	7.10	4.18	2.428	1.785	1.218	0.840	0.370
	W	44.43	29.43	22.57	18.65	13.70	8.16	4.795	3.543	2.430	1.681	0.743

