12V 20Ah



General Series battery

General (GP) Series VRLA 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 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.

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

- * Power tools
- * Alarm system
- * Marine equipment
- * Medical equipment
- * Fire and Security System

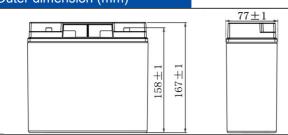
Construction

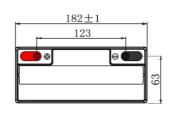
- Positive · · · · Lead dioxide
- Electrolyte · · · · Sulfuric acid
- * Negative · · · · · Lead * Safety Valve · · · · EPDR
- * Separator · · · Fiber glass
- * Terminal · · · · · · Copper
- * Container · · · · ABS(UL94-HB)/Flame Retardant ABS (UL94-V0)

Specification

Pottory Model	Nominal V	oltage		12V (6 cells per unit)						
Battery Model	Rated capacity (2	20 Hour	rate)	20Ah						
Dimension	Length		Width	Height		Total Height				
Dimension	182mm (7.16 inches)	77mm (3.03 inches)		167mm (6.57 inches)		167mm (6.57 inches)				
Approx Weight	5.35kg(11.79 lbs) ± 3%									
Internal Resistance	Full charged at 25 °C(77°F):Approx 11.6mΩ									
Maximum Charge Current	6.0A									
Max.discharge current	300A (5Sec.)									
Short-circuit current	620A									
Operating Temperature	Nominal Operating Temperature	Discharge		Charge		Storage				
Range	25℃(77 ℉)	-15℃~ 50℃(5℉~122℉)		-15℃~40℃(5℉~104℉)		-15℃~ 40℃(5℉~104℉)				
Capacity @ 25°C	20 hour rate(1.012A,10.5V)	10 hour rate(1.892A,10.5\		3 hour rate(5.35A,10.2V)		1 hour rate(13.20A,9.6V)				
(77 °F)	20.24Ah	18.92Ah		16.05Ah		13.20Ah				
Capacity affected by	40℃ (104℉)		25 ℃ (77°F)	0°C (32°F)		-15°C (5°F)				
Temp.(20HR)	102%		100%	85%		65%				
Charge method	Float Charging Voltage		Equalization Cha	arging Voltage	Cycle Use Voltage					
at 25°C(77°F)	13.5~13.8 VDC (-3mV/cell/°	C)	14.1~14.4 VDC	(-4mV/cell/℃)	14.4~15.0 VDC (-5mV/cell/°C)					

Outer dimension (mm)





Terminal Type Terminal Unit: mm **T1** Ф12 Torque:2~3N*m

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

F.V/Tim	9	5min	10min	15min	20min	30min	1h	2h	3h	5h	8h	10h	20h
1.85V/cell	Α	56.6	39.2	30.5	24.9	19.4	11.90	6.95	5.05	3.25	2.180	1.832	0.980
	W	107.3	75.4	59.3	48.6	38.2	23.68	13.86	10.08	6.50	4.373	3.692	1.978
1.80V/cell	Α	61.9	41.7	32.5	26.4	20.3	12.25	7.14	5.16	3.32	2.231	1.864	0.997
	W	115.6	79.6	62.8	51.3	39.8	24.31	14.20	10.27	6.64	4.465	3.748	2.008
1.75V/cell	Α	66.8	44.2	34.3	27.8	21.1	12.57	7.30	5.26	3.39	2.274	1.892	1.012
	W	123.1	83.8	65.9	53.7	41.2	24.88	14.48	10.44	6.75	4.542	3.797	2.034
1.70V/cell	Α	71.5	46.6	36.0	29.1	21.7	12.86	7.44	5.35	3.44	2.312	1.916	1.025
	W	130.0	87.7	68.8	55.9	42.5	25.39	14.73	10.60	6.85	4.611	3.839	2.057
1.67V/cell	Α	73.8	47.8	36.9	29.7	22.2	13.00	7.50	5.39	3.47	2.326	1.925	1.030
	W	133.5	89.7	70.1	56.9	43.1	25.63	14.83	10.67	6.89	4.636	3.853	2.066
1.60V/cell	Α	77.5	49.9	38.3	30.6	22.8	13.20	7.60	5.45	3.50	2.350	1.940	1.038
	W	139.0	93.0	72.4	58.5	44.0	25.98	15.00	10.77	6.95	4.679	3.880	2.080

