

## WP Series SLA Battery

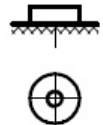
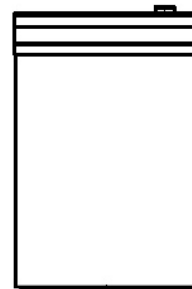
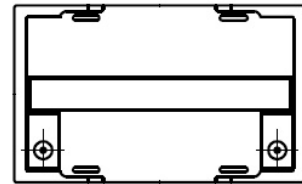
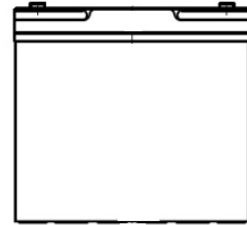
- 100% before shipment testing
- Stable and reliable long-term quality
- Patented grid alloy formula and updated manufacturing technique
- Completely sealed and maintenance-free
- Low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating & standby use: 3-5 years

### Application:

- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipments
- UPS
- Power tools
- Control Equipments
- Toys

### Construction:

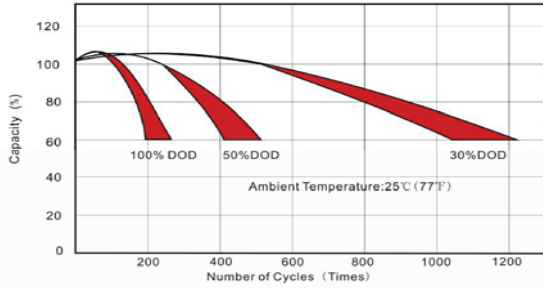
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy
- Safety valve .... Rubber
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



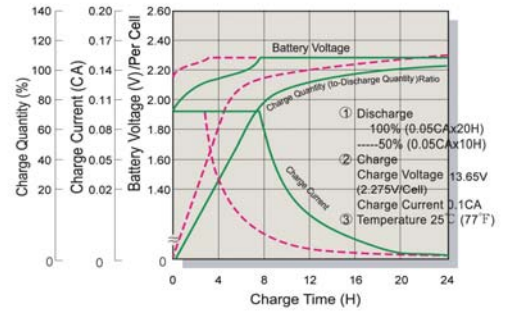
### Specification:

Battery Model	WP 180-12 12V 180.0Ah			
Designed Floating Life	3~5 Years			
Capacity @25°C	20Hrs(9.00A, 10.5V)	10 Hrs(16.85A, 10.5V)	5 Hrs(30.76A, 10.5V)	1 Hr(112.46A, 10.5V)
Dimensions	Length	Width	Height	Total Height
	525mm (20.66inch)	220mm (8.66inch)	225mm (8.85inch)	225mm (8.85inch)
Approx. Weight	47.2Kg (104.05lbs) ± 5%			
Internal Resistance	Full charged at 25°C : ≤05mΩ			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by	40°C	25°C	0°C	-05°C
	105%	100%	85%	70%
Temp.(20HR) Charge Voltage(25°C)	Cycle use		Float use	
	14.2-14.8V(-30mV/°C)		13.6-13.8V (-20mV/°C)	

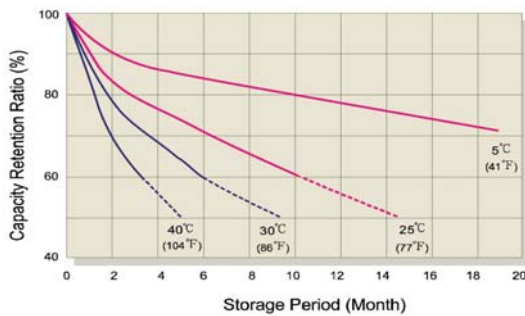
**Cycle Service Life**



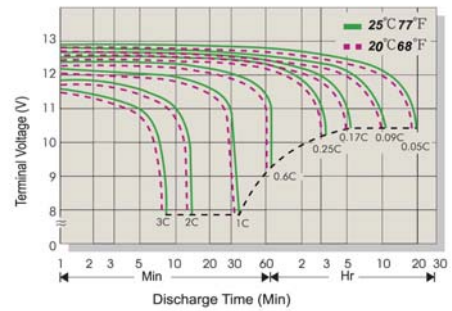
**Battery Voltage and Charge Time for Standby Use**



**Capacity Retention Characteristic**



**Terminal Voltage (V) and Discharge Time**



**Constant Current Discharge Performance (CC, Unit: A) at 25°C\***

ECV	10 Min	15 Min	30 Min	1 Hour	3 Hour	5 Hour	10 Hour	20 Hour
1.70V/Cell	381.75	297.02	180.00	113.91	45.51	30.88	17.08	9.15
1.75V/Cell	367.22	290.21	178.16	112.46	45.43	30.76	16.85	9.00
1.80V/Cell	360.00	285.71	176.46	107.66	45.24	30.51	16.76	8.96
1.85V/Cell	352.41	279.80	175.88	107.16	45.13	30.35	16.58	8.92

**Constant Power Discharge Performance (CP, Unit: W) at 25°C\***

ECV	10 Min	15 Min	30 Min	1 Hour	3 Hour	5 Hour	10 Hour	20 Hour
1.70V/Cell	687.6	559.2	321.7	189.6	90.8	62.2	34.6	17.0
1.75V/Cell	675.9	548.8	316.3	185.6	90.1	61.2	34.3	16.8
1.80V/Cell	637.9	538.7	310.8	181.3	89.8	60.4	33.9	16.6
1.85V/Cell	617.4	528.3	305.7	177.0	89.2	59.3	33.6	16.5

**\*Note:** The above data are average values and can be obtained within 3-4 charge/discharge cycles. A tolerance of ±5% is applicable for the above constant power discharge and constant current discharge values.

**Certifications:**

