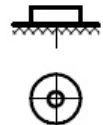
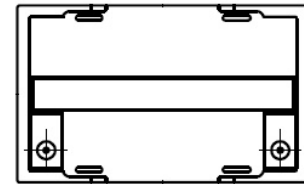
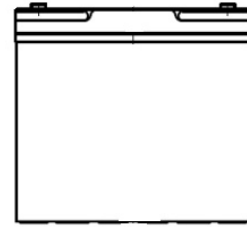


WP Series SLA Battery

- 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

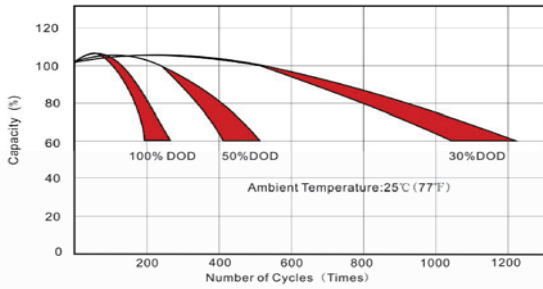
Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid

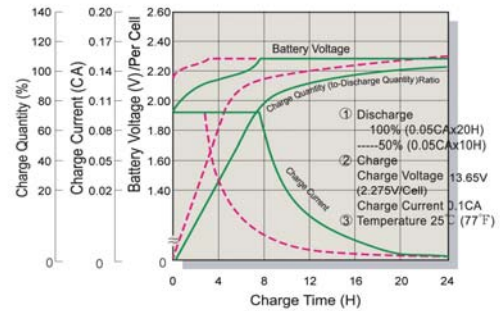
Specification:

Battery Model	WP 45-12 12V 45.0Ah			
Designed Floating Life	3~5 Years			
Capacity @25°C	20Hrs(2.25A,10.5V)	10 Hrs(4.19A,10.5V)	5 Hrs(7.69A,10.5V)	1 Hr(28.12A,10.5V)
Dimensions	Length	Width	Height	Total Height
	197mm (7.76inch)	165mm (6.5inch)	170mm(6.69inch)	170mm(6.69inch)
Approx. Weight	14.20Kg (31.31lbs) ±5%			
Internal Resistance	Full charged at 25°C : ≤25mΩ			
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)	

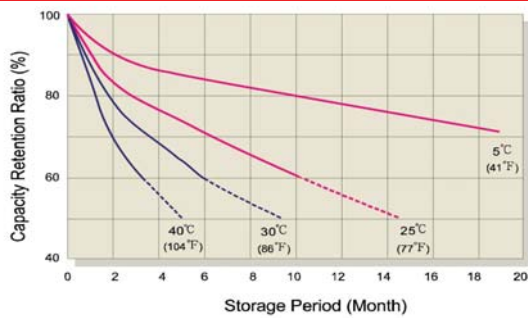
Cycle Service Life



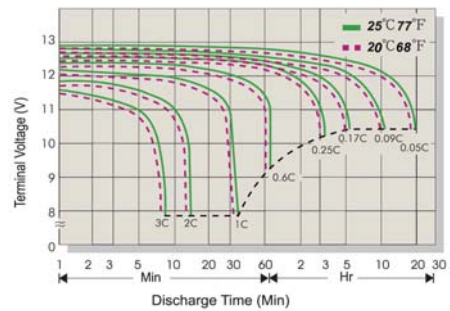
Battery Voltage and Charge Time for Standby Use



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	95.44	74.26	45.00	28.48	11.38	7.72	4.27	2.29
1.75V/Cell	91.80	72.55	44.54	28.12	11.36	7.69	4.19	2.25
1.80V/Cell	90.00	71.43	44.12	26.91	11.31	7.63	4.17	2.24
1.85V/Cell	88.10	69.95	43.97	26.79	11.28	7.59	4.15	2.23

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	185.6	143.1	88.4	54.4	22.4	15.3	8.7	4.1
1.75V/Cell	178.7	139.6	87.2	53.2	22.2	15.2	8.6	4.0
1.80V/Cell	171.7	136.0	85.9	51.9	22.1	15.1	8.5	3.9
1.85V/Cell	165.3	132.7	84.1	50.6	21.9	15.0	8.4	3.8

***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:

