

Terminal Dimensions

General Purpose

RPS Power Manager Series™ is a general purpose VRLA battery designed for a wide range of applications including Uninterruptible Power Supply (UPS), emergency lighting, communication, general purpose and other float service applications. The PM Series is provided in flame retardant, high impact case and has become the choice by OEM equipment manufacturers.

Application

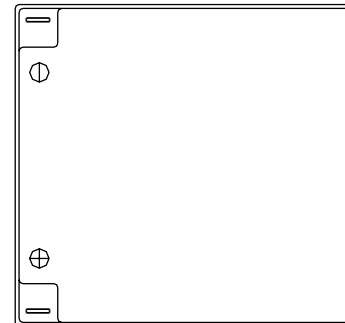
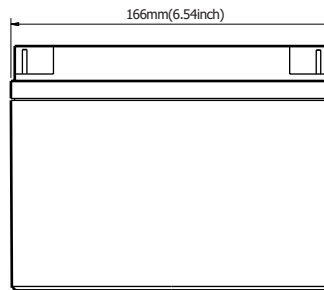
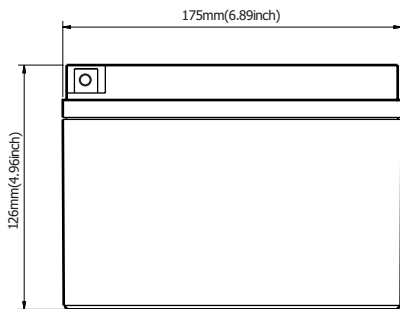
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Emergency Power System

General Features

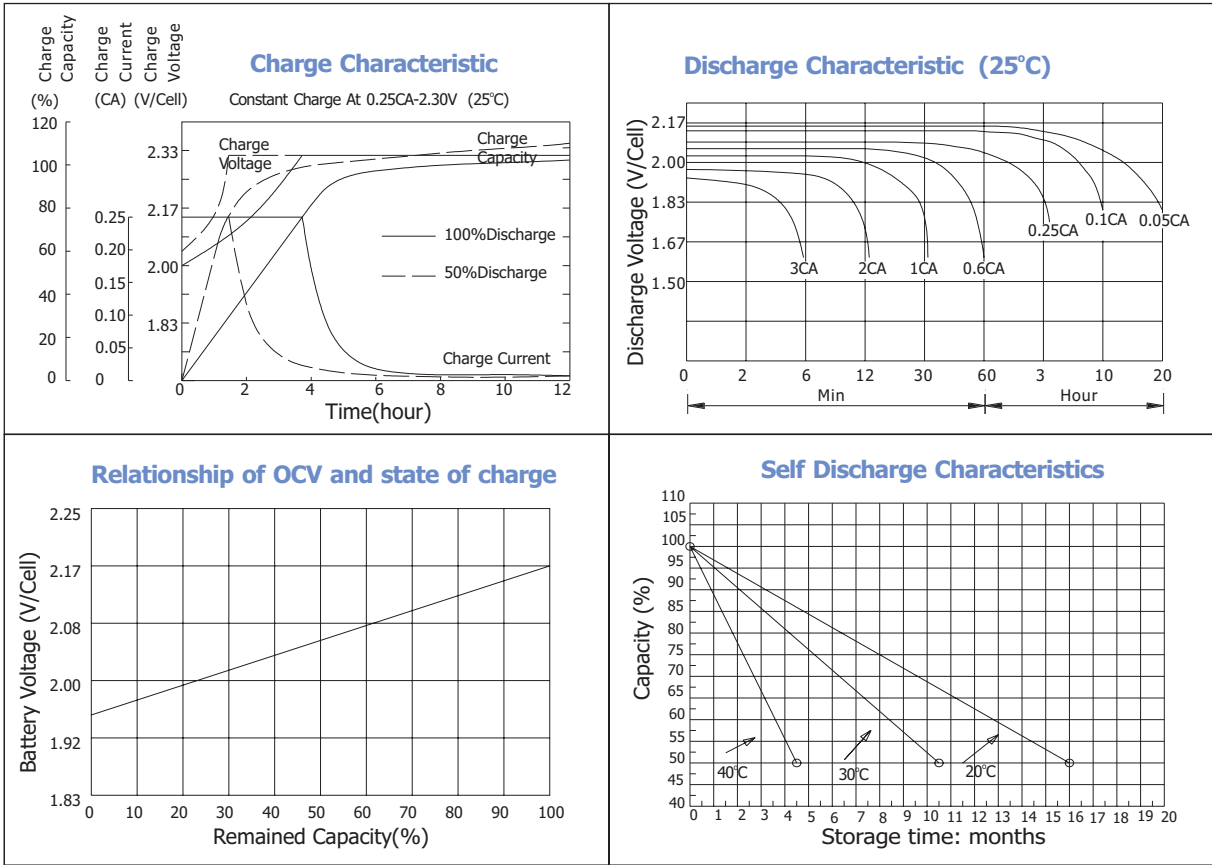
- Sealed & Maintenance Free Operation
- Non-Spillable Construction
- Patented O-Ring Post Seal Support
- UL94V-0 ABS Flame Retardant Case
- Thermally Welded Case to Cover Bond
- Exceptional Deep Discharge Recovery
- Low Pressure One-Way Safety Release Valve
- 100% Recyclable Materials

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Battery Model	PM24-12			
Designed Floating Life	10 Years			
Capacity(25°C)	20HR(1.3A,1.75V)	10HR(2.47A,1.75V)	5HR(4.42A,1.75V)	1HR(16.9A,1.75V)
	26AH	24.7AH	22.1AH	16.9AH
Dimensions	Length	Width	Height	Total Height
	175mm(6.89inch)	166mm(6.54inch)	126mm(4.96inch)	126mm(4.96inch)
Approx. Weight	8.6Kg (18.98 lbs)			
Internal Resistance	Full charged at 25°C: 0.010 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 7.8A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	87.5	60.0	43.8	26.3	16.5	6.83	4.77	2.65	1.32
1.67V	78.8	54.8	42.5	25.5	16.5	6.80	4.73	2.61	1.31
1.70V	74.8	52.8	41.0	25.0	16.4	6.80	4.73	2.59	1.31
1.75V	66.5	48.8	38.8	24.5	16.3	6.75	4.69	2.55	1.31
1.80V	60.0	45.3	37.0	23.8	16.1	6.73	4.65	2.50	1.26
1.85V	45.5	37.3	32.0	21.9	15.9	6.70	4.62	2.46	1.19

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	144	99.5	77.5	49.5	32.5	13.1	9.13	5.30	2.64
1.67V	137	98.3	76.8	48.5	31.4	13.1	9.13	5.22	2.63
1.70V	128	95.8	75.5	47.3	30.6	13.1	9.13	5.18	2.63
1.75V	119	89.5	71.0	46.0	30.3	12.9	9.03	5.09	2.61
1.80V	107	83.3	66.8	44.8	29.8	12.7	8.88	5.00	2.52
1.85V	86	69.0	58.3	41.0	29.5	12.7	8.75	4.92	2.37

