



RESERVE POWER SYSTEMS

Stored energy solutions for standby power applications.

GENERAL PURPOSE

PM7-12

12V7.0AH



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

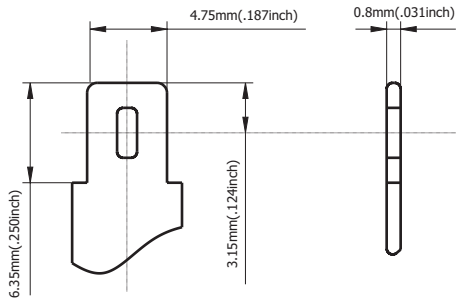
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Emergency Power System

General Features

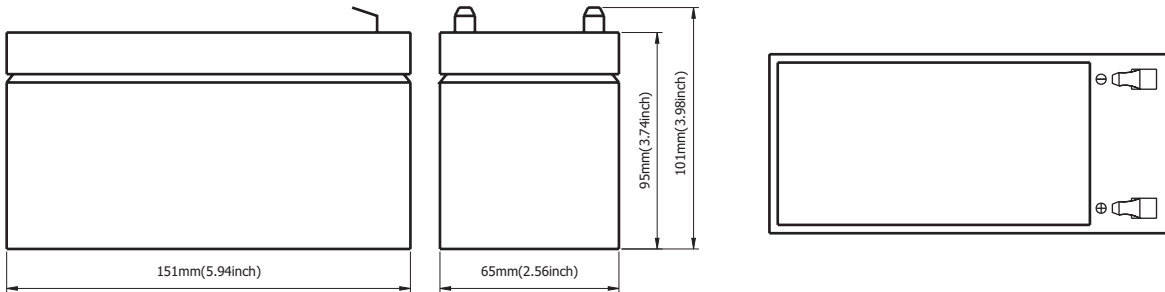
- Sealed & Maintenance Free Operation
- Non-Spillable Construction
- Patented O-Ring Post Seal Support
- UL94V-0 ABS Flame Retardant Case
- Thermally Welded Case to Cover Bond
- Exceptional Deep Discharge Recovery
- Low Pressure One-Way Safety Release Valve
- 100% Recyclable Materials

Construction

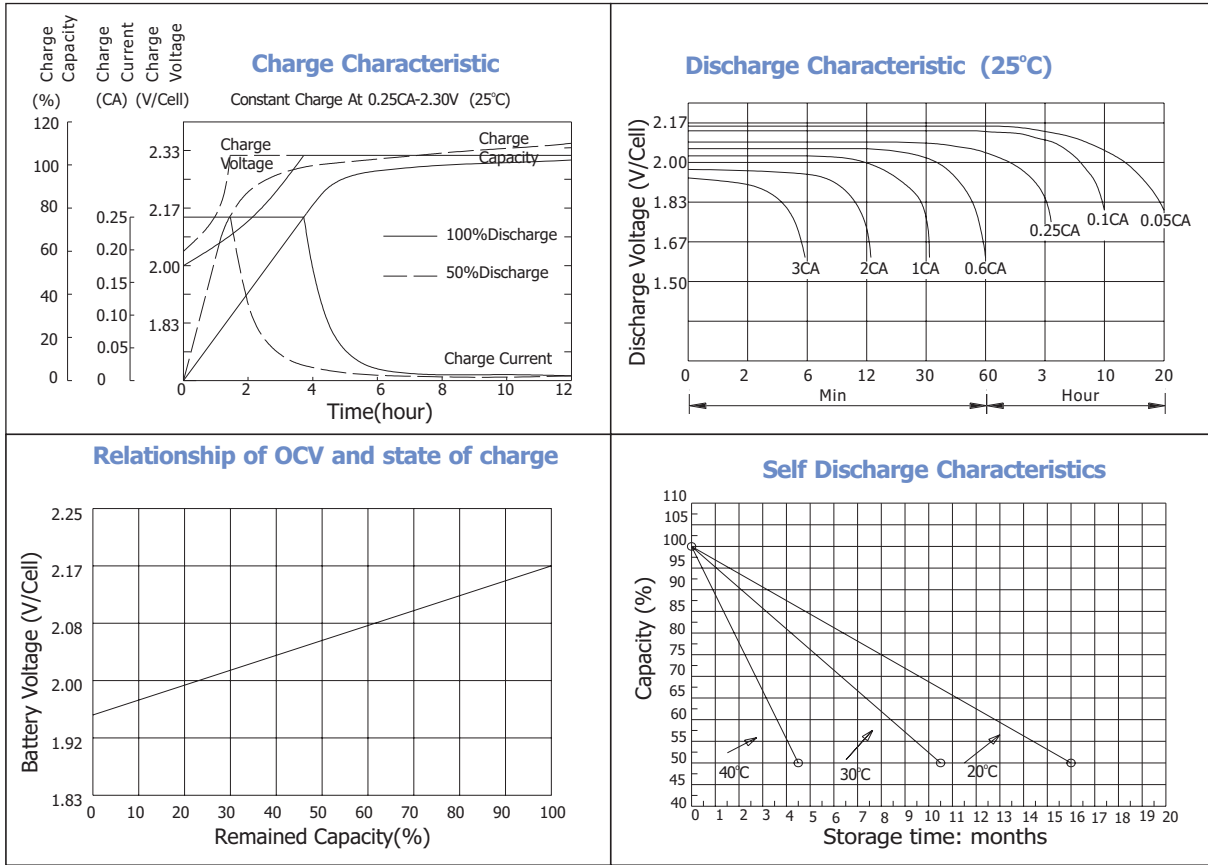
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	PM7-12			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.35A,1.75V)	10HR(0.66A,1.75V)	5HR(1.18A,1.75V)	1HR(4.5A,1.75V)
	7AH	6.6AH	5.9AH	4.5AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.15Kg (4.74 lbs)			
Internal Resistance	Full charged at 25°C: 0.025 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: 2.1A		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	27.0	17.0	12.8	7.83	4.97	2.18	1.33	0.72	0.39
1.67V	25.7	16.1	12.3	7.49	4.91	2.10	1.31	0.72	0.38
1.70V	23.5	15.6	12.1	6.81	4.76	1.96	1.28	0.72	0.37
1.75V	23.1	15.1	11.7	6.47	4.54	1.89	1.25	0.71	0.36
1.80V	20.6	14.4	10.6	5.99	4.25	1.82	1.18	0.70	0.35
1.85V	18.2	13.7	9.53	5.51	3.96	1.75	1.10	0.69	0.34

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	48.0	30.7	23.4	14.1	8.98	3.87	2.26	1.45	0.78
1.67V	46.3	29.9	23.1	13.8	8.92	3.75	2.25	1.44	0.76
1.70V	43.6	29.7	22.9	12.9	8.75	3.58	2.22	1.43	0.75
1.75V	43.9	29.6	22.8	12.5	8.61	3.50	2.20	1.41	0.73
1.80V	40.1	29.1	21.1	12.0	8.11	3.40	2.13	1.40	0.71
1.85V	36.4	27.6	19.1	11.2	7.63	3.29	2.06	1.38	0.68



ISO9001:2000 Certificate



G4M20206-0910-E-16



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