



**MULTI
PURPOSE
SERIES**

MPS 12-9A

**VALVE REGULATED LEAD ACID BATTERY
FOR STANDBY POWER APPLICATIONS**

**12V 9 AH @ 20 HR Rate,
12V 33 Watts/Cell @ 15 Min Rate**



FEATURES

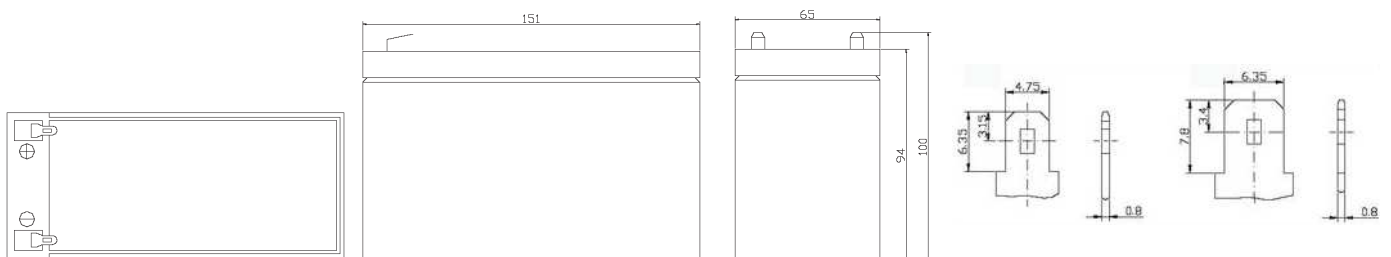
APPLICATIONS

- Telecommunications
- General Purpose Applications
- Uninterrupted Power Supply (UPS)
- Other Float Applications

- Design life: 5 year
- Robust plate for extended life.
- Flame-arresting one-way pressure-relief vent for safety and long life.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Multicell design for economy of installation and maintenance.
- Computer designed lead, low Calcium alloy grid for minimal gassing and ease of recycling.
- UL-recognized component.
- Can be used in upright, side, or end mounting orientation.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27

SPECIFICATIONS

Cells Per Unit	Voltage Per Unit	Weight	IEC Rating (C10, 1.80V @ 20°C)	Capacity (C20, 1.75V @ 25°C)	Watts/Cell @ 15min	Short Circuit Current	Resistance
6	12 V	2.55 Kg	8 Ah	9 Ah	33	225 Amps	18 (mΩ)



*All dimensions in millimeters. All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -20°C to 60°C Charge: 0°C to 50°C
Recommended Operating Temperature Range	23°C to 27°C
Floating Charging Voltage	13.7 to 13.9 VDC/unit Average at 77°F (25°C).
Recommended Maximum Charging Current Limit	C/5 amperes @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	14.4 to 14.8 VDC/unit Average at 77°F (25°C).
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 5.10 amperes RMS (C/20).
Self Discharge	MPS batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories	Inter unit connectors, racks and cabinet systems are available.
Terminal:	Faston Tab 187/Faston tab 250
Container and Cover Materials	ABS (UL-94 HB)

Constant Power Discharge Ratings Watts Per Cell @ 77°F (25°C)

Operating Time to End Point Voltage

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	43.2	33.4	27.5	26.2	21.1	18.4	13.3	11.3	8.6	6.6	4.6	3.7	3.1	2.0	1.7	1.4	0.9
1.80	48.9	35.9	29.2	27.0	21.7	18.9	13.6	11.5	8.7	6.8	4.7	3.8	3.1	2.0	1.7	1.5	0.9
1.75	54.3	38.4	30.9	27.6	22.3	19.4	13.8	11.7	8.7	6.9	4.7	3.8	3.1	2.0	1.7	1.5	0.9
1.70	59.4	40.0	32.6	27.9	22.6	19.8	14.1	11.9	8.8	6.9	4.8	3.8	3.2	2.1	1.8	1.5	1.0
1.67	62.5	41.7	33.1	28.4	22.9	19.9	14.3	12.0	8.8	7.0	4.8	3.9	3.2	2.1	1.8	1.5	1.0
1.65	63.2	42.2	33.5	28.7	23.2	20.2	14.5	12.1	8.9	7.0	4.8	3.9	3.2	2.1	1.8	1.5	1.0

Constant Current Discharge Ratings - Amperes @ 77°F (25°C)

Operating Time to End Point Voltage

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	30.8	17.4	15.8	8.2	5.2	3.8	3.0	2.1	1.7	1.4	1.2	1.1	0.9	0.8	0.7	0.4	0.3
1.85	22.9	17.4	14.2	9.1	5.7	4.2	3.3	2.3	1.9	1.5	1.3	1.1	1.0	0.8	0.7	0.4	0.4
1.80	26.2	19.0	15.4	9.5	5.8	4.3	3.4	2.3	1.9	1.6	1.3	1.1	1.0	0.9	0.7	0.4	0.4
1.75	29.2	20.4	16.3	9.8	5.9	4.4	3.5	2.4	1.9	1.6	1.3	1.1	1.0	0.9	0.7	0.5	0.4

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.