



**MULTI
PURPOSE
SERIES**

MPS12-240

VALVE REGULATED LEAD ACID BATTERY
FOR STANDBY POWER APPLICATIONS

12V 240 AH @ 20 HR Rate,
12V 704 Watts/Cell @ 15 Min Rate



FEATURES

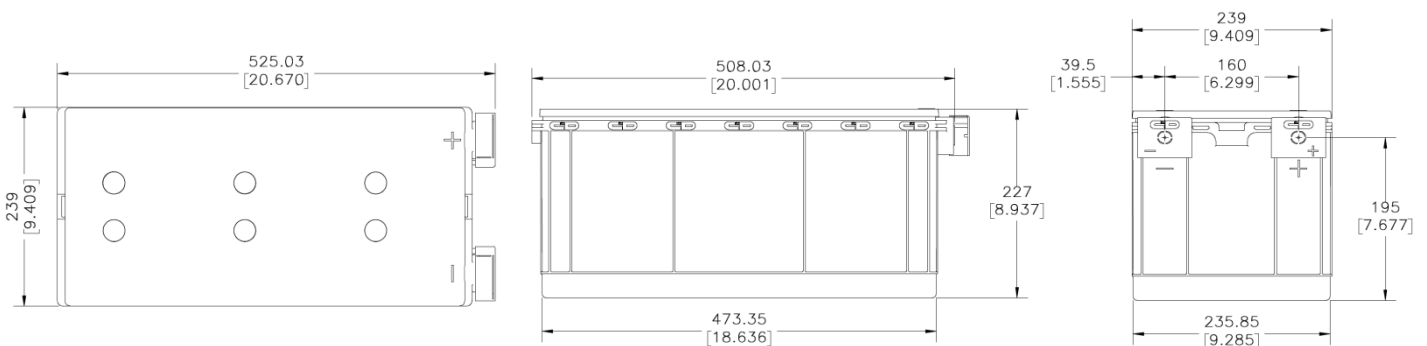
APPLICATIONS

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

- Design life: 10 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.
- True Front Access terminal designed, for easy installation, reduced maintenance, and space saving.
- 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)	Dimensions (L* W* H (Total Height)/mm)
6	12V	68.6 Kg	218 Ah	240 Ah	525*236*227(227)



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

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -40°F (-40°C) to +160°F (71°C). Charge: -10°F (-23°C) to +140°F (60°C)
Recommended Operating Temperature Range	+74°F (23°C) to +80°F (27°C).
Floating Charging Voltage	13.65 ± 0.15 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 4 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories (Optional)	Inter unit connectors, racks and cabinet systems are available.
Terminal	Threaded copper alloy insert terminal to accept M8 bolt
Container and Cover Materials	PP (UL94 HB, V-2, V-0 Optional)

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	570.1	570.1	530.0	473.4	412.6	384.4	308.2	258.2	194.2	158.72	114.60	90.95	76.07	51.34	42.16	35.89	22.87
1.80	737.2	681.0	601.0	534.3	463.8	430.8	338.0	278.9	207.8	168.61	120.88	95.64	79.63	53.38	43.75	37.19	23.58
1.75	904.3	746.0	651.0	571.4	490.5	451.9	349.9	286.0	212.7	172.44	123.54	97.35	80.93	53.91	44.23	37.63	23.92
1.70	1017.4	808.0	689.0	600.1	511.8	469.2	358.1	289.8	214.9	173.86	124.18	98.00	81.54	54.71	44.79	38.04	24.07
1.67	1080.0	848.2	704.0	611.4	520.1	476.0	361.0	290.7	215.5	174.33	124.38	98.21	81.94	55.02	45.03	38.24	24.17
1.65	1120.0	869.1	718.0	621.1	526.6	480.8	364.2	293.1	216.6	174.80	125.04	98.75	82.36	54.94	45.20	38.37	24.25

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	228.5	228.5	228.5	183.7	122.8	92.6	74.56	54.18	43.14	35.65	30.90	27.39	24.11	19.72	16.73	10.55	8.95
1.85	320.7	320.7	301.4	213.0	139.7	104.3	83.38	59.85	47.31	38.86	33.57	29.69	26.15	21.42	18.15	11.39	9.64
1.80	413.0	405.1	354.0	246.2	152.9	112.4	88.94	63.26	50.00	40.81	35.09	30.95	27.25	22.24	18.84	11.83	10.02
1.75	505.3	452.6	390.0	263.8	157.7	115.1	90.55	64.48	50.86	41.62	35.81	31.55	27.80	22.67	19.19	12.03	10.18

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