



**MULTI
PURPOSE
SERIES**

MPS12-114

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

**12V 114 AH @ 20 HR Rate,
12V 347Watts/Cell @ 15 Min Rate**



FEATURES

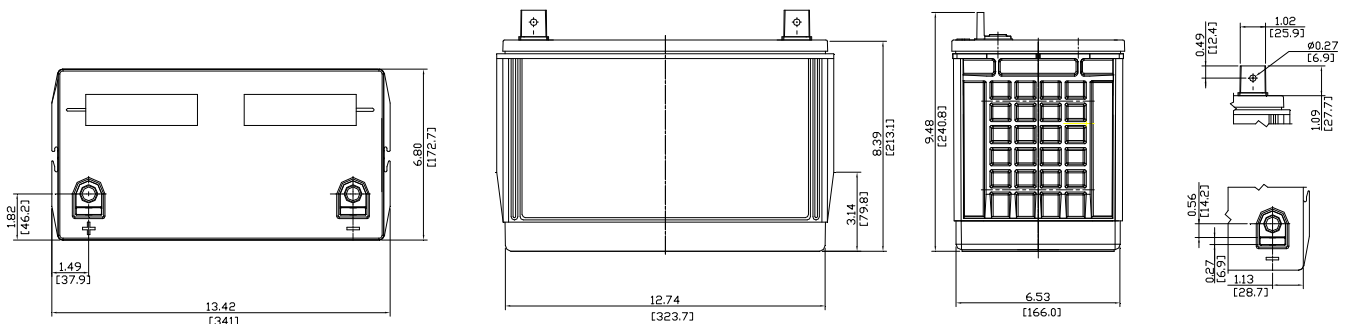
APPLICATIONS

- 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.
- 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	12.98V	32.5 Kg	98 Ah	114 Ah	347	2647Amps	4.7 (mΩ)



*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 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	L-type terminal with 0.28" clearance hole to accept 0.25" (6mm) bolt.
Container and Cover Materials	PP (UL94 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	398.2	330.5	275.0	235.9	209.5	190.1	152.2	129.9	92.9	73.3	52.4	41.3	34.4	23.3	19.4	16.7	10.9
1.80	469.4	380.0	308.0	260.1	228.1	204.9	161.4	136.2	97.0	76.3	54.3	42.7	35.4	23.9	19.8	17.0	11.1
1.75	514.3	405.8	328.0	275.2	240.2	214.9	166.9	139.6	99.2	77.9	55.4	43.5	36.0	24.2	20.1	17.2	11.2
1.70	552.6	429.2	340.0	284.1	247.0	220.4	169.6	140.9	100.1	78.5	55.8	43.8	36.3	24.4	20.2	17.3	11.3
1.67	559.5	435.6	347.0	288.9	250.5	223.0	171.0	141.6	100.6	78.9	56.0	44.0	36.4	24.5	20.3	17.4	11.3
1.65	566.1	442.8	352.0	292.6	253.5	225.5	171.9	141.7	100.8	79.2	56.2	44.1	36.5	24.5	20.3	17.4	11.3

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	147.4	145.0	128.0	92.8	58.0	42.3	33.8	24.4	19.2	16.1	13.9	12.3	11.0	9.1	7.8	5.1	4.4
1.85	203.0	190.0	158.0	104.6	64.5	46.7	37.1	26.6	20.9	17.4	15.0	13.2	11.8	9.8	8.4	5.5	4.7
1.80	258.6	218.2	174.0	113.2	69.5	49.6	39.0	27.8	21.8	18.1	15.5	13.6	12.2	10.1	8.7	5.7	4.9
1.75	276.0	223.0	178.0	116.8	71.3	50.6	39.7	28.5	22.3	18.5	15.9	13.9	12.4	10.3	8.8	5.7	4.9

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