

*Power You Can
Depend On*



PLM Series

Valve Regulated Lead Acid

— Super long life, reducing TCO



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PLM Series

PURE Pb MAX

PURE LEAD MAX

Change your battery. Change your world.



Pure Lead Max is C&D's longest lasting VRLA battery for UPS systems and has an industry leading 7.5-year warranty

Benefits



Single Replacement

Proprietary pure lead technology, combined with design of less water-loss which extends battery life



Energy Conservation

50% lower float charge current which extends battery life and reduces power loss



Promoting Green & Low-carbon

Excellent high-temperature performance, allowing operation at 30 °C with much lower refrigeration, reducing PUE



Less Maintenance

Based on recommended maintenance schedule

APPLICATIONS

- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

FEATURES AND BENEFITS

- 16y design life Eurobat: very long life
- 7.5y warranty @25°C, 5y@ 30°C
- C&D's super long-life MSE pure lead plate processing technology for high active materials utilization- result in high energy density and low flow currents
- Design of less water-loss extends service life
- Patented Long-Life Alloy in the grids to minimize grid growth, reduce gassing, and extend battery life
- Available in both Top terminal and TFA(True Front Access) formats
- Our TFA design maximizes energy density and minimizes internal resistance by providing a direct connection from the plates to the terminals
- Patented UL Recognized Flame-arresting vents in each cell for safety
- Designed with the same recombination thermal runaway prevention, gassing and flame-retardant characteristics of the Bellcore

- 4228 compliant Dynasty Telecom products
- Flame retardant polypropylene case and cover compliant with UL94 V-0
- Thermally welded and leak tested case to-cover bond ensures a robust leak proof seal
- Not restricted for air transport -Complies with IATA/ICAO Special Provisions 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
- Manufactured in accordance with ISO 9001, ISO 14001, ISO 45001 and ISO 50001
- Designed to be compliant with international standard IEC 60896-21/22

Specifications

Model	V	C20 (Ah) 1.75EPV,25°C	C10 (Ah) 1.80EPV,20°C	C8 (Ah) 1.75EPV,25°C	5min Watt/cell @ 1.67EPV	Dimensions/mm (L*W*H*total Height)				Weight/ kg	Terminal Type (Bolt)
UPS 12-1100 PLM	12	34	30	30	177.9	197	132	166	173	10.7	Inserted(#10-32 UNF)
UPS 12-1500 PLM	12	36	32	33	249.0	197	132	166	173	12.4	Inserted(#10-32 UNF)
UPS 12-2200 PLM	12	56	49.5	50	371.4	242	142	200	205	19.0	Inserted(#10-32 UNF)
UPS 12-3300 PLM	12	84	76.6	79	552.4	273	173	201	204	27.0	Inserted (1/4-20 UNC)
UPS 12-3800 PLM	12	102	90	91	643.0	319	173	203	206	31.5	Inserted (1/4-20 UNC)
UPS 12-4000 PLM	12	110	97	99	667.4	341	173	213	216	35.3	Inserted (1/4-20 UNC)
UPS 12-4700 PLM	12	114	103	106	779.6	341	173	215	218	38.0	Inserted (1/4-20 UNC)
UPS 12-4800 PLM	12	150	134	138	782.0	345	173	275	278	46.6	Inserted (1/4-20 UNC)
UPS 12-5400 PLM	12	154	137	141	883.1	345	173	275	278	48.6	Inserted (1/4-20 UNC)
UPS 12-6300 PLM	12	140	128	131	1032.7	345	173	275	278	52.9	Inserted (1/4-20 UNC)
UPS 12-6900FD PLM	12	228	204	210	1149.8	525	239	227	227	66.0	Inserted(M8)
UPS 12-7000FD PLM	12	234	210	216	1182.6	525	239	227	227	67.3	Inserted(M8)
UPS 12-7900FD PLM	12	226	203	210	1324.4	525	239	227	227	71.0	Inserted(M8)
UPS 12-8200FD PLM	12	236	211	218	1374.0	525	239	227	227	72.0	Inserted(M8)
UPS 12-4200F PLM	12	110	99	102	711.6	511	109	231	231	37.1	Inserted (M6)
UPS 12-6200F PLM	12	172	158	162	1042.5	559	125	278	278	55.2	Inserted (M8)
UPS 12-6800F PLM	12	202	182	189	1165.9	559	125	322	322	64.9	Inserted (M8)
UPS 12-8000F PLM	12	252	230	238	1347.9	559	154	322	322	77.3	Inserted (M8)
UPS 12-9200F PLM	12	254	231	238	1600.0	559	154	322	322	84.1	Inserted (M8)

*All dimensions are for reference only. Model name with 'F' means Front Access battery. Contact a C&D Representative for complete dimensional information.

Specifications

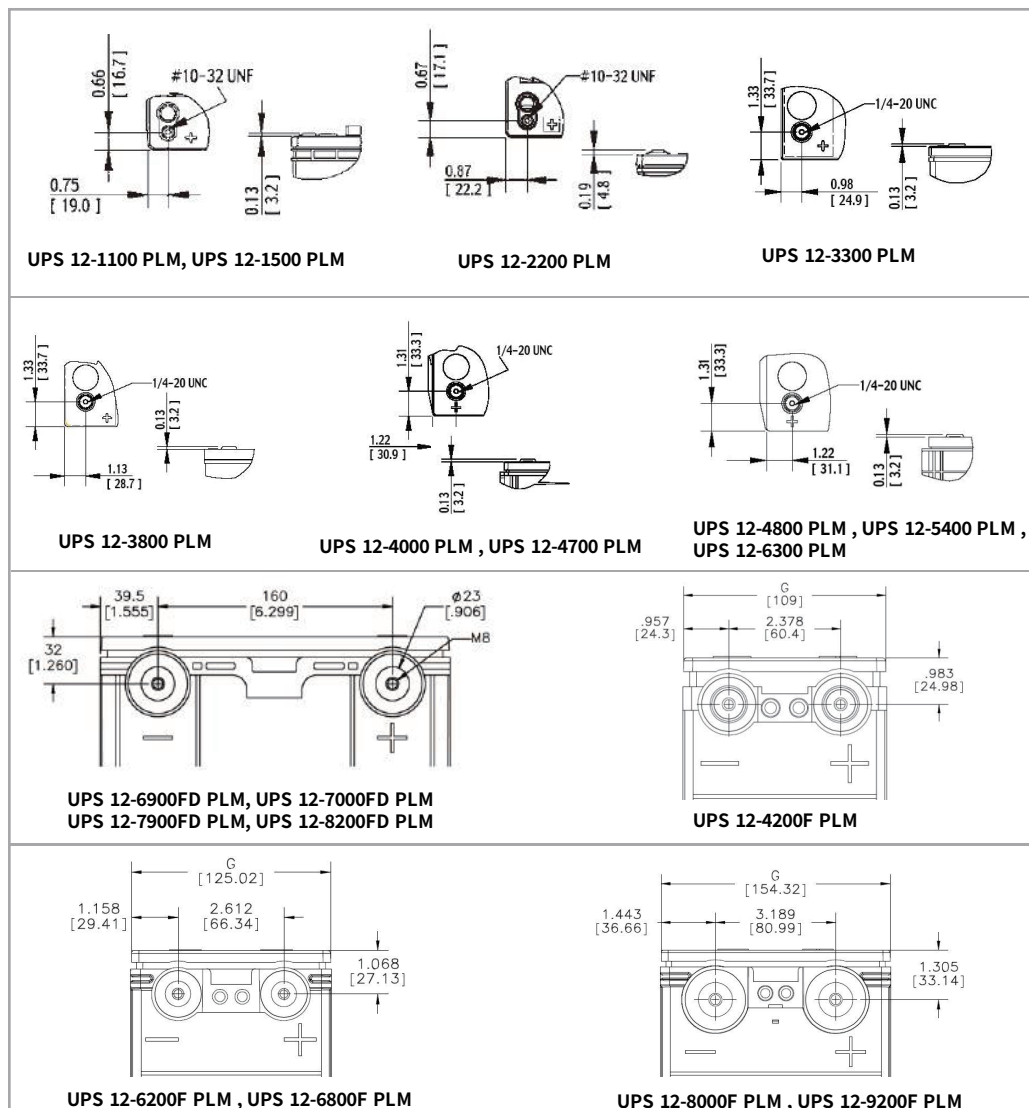
Model	Cell per Unit	Maximum Discharge Current (Amps)	IEC Short Current (Amps)	IEC Resistance (mΩ)
UPS 12-1100 PLM	6	300	1003	12.35
UPS 12-1500 PLM	6	300	1475	8.45
UPS 12-2200 PLM	6	300	1985	6.37
UPS 12-3300 PLM	6	800	2381	5.29
UPS 12-3800 PLM	6	800	2734	4.65
UPS 12-4000 PLM	6	800	3199	4.06
UPS 12-4700 PLM	6	800	3350	3.77
UPS 12-4800 PLM	6	800	3160	3.96
UPS 12-5400 PLM	6	800	3613	3.48
UPS 12-6300 PLM	6	800	4146	2.99
UPS 12-6900FD PLM	6	1000	5150	2.80
UPS 12-7000FD PLM	6	1000	5300	2.70
UPS 12-7900FD PLM	6	1200	5900	2.40
UPS 12-8200FD PLM	6	1200	6150	2.30
UPS 12-4200F PLM	6	800	2864	4.40
UPS 12-6200F PLM	6	800	3698	3.40
UPS 12-6800F PLM	6	900	4400	2.80
UPS 12-8000F PLM	6	1200	5376	2.31
UPS 12-9200F PLM	6	1200	5543	2.28

PLM Series

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)
Nominal Operating Temperature Range	+74°F (23°C) to +80°F (27°C)
Recommended Maximum Charging Current Limit	C/5 amperes @ 20hr rate
Float Charging Voltage	13.65 $\pm$ 0.15 VDC average per 12V unit
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Max voltage allowed = 1.4% RMS (4% P-P) Max current allowed = C/20 A RMS
Self Discharge	Battery can be stored up to 24 months at 77°F (25°C) before a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. See C&D brochure 41-7272, Self-Discharge and Inventory Control for details.
Equalize charge and cycle service voltage	14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C)

Battery Terminations





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C&D reserves the right to revise the data and information provided in this catalogue.