EverExceed®
power your applications

HIGH
PERFORMANCE

SEALED VRLA MONOBLOC AGM BATTERIES

HR-1290

VALVE REGULATED LEAD ACID BATTERY

12V 325WATTS/CELL
@ 15MIN to 1.67 VPC

12V 90.0AH @ 10 HR to 1.80VPC
12V 99.2AH @ 20 HR to 1.75VPC

FOR APPLICATION:
UPS
SWITCHGEAR
INDUSTRIAL DC POWER

Innovative Features

◆ 12 years design life in float applications @ 25°C(77°F).

◆ UL Recognized component.

◆ Valve regulated lead acid battery (VRLA).

◆ High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency.

◆ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.

◆ One-way relief valve, Explosion Resistant.

◆ Heavy duty threaded copper alloy terminals for ease of assembly, reduced maintenance and increased safety.

◆ Patented long life alloy having the lowest calcium levels industry-minimizing grid corrosion, reducing gassing, and extending battery life.

◆ Over-sized, through the partition inter-cell welds provide low resistance connections, with minimal power loss.

◆ Flame arresting, low pressure safety release venting system for individual cells, recognized per U.L. 924.

◆ Horizontal or vertical operation.

◆ Multicell design for ease of installation and maintenance.

◆ Standard: Reinforced ABS (UL 94HB) container and cover Optional: Flame-retardant reinforced ABS case and cover compliant with U.L.94 V-0 with an Oxygen Limiting Index of greater than 28%.

12 VOLTS - 325WATTS @ 15 MIN RATE									
Constant Power Discharging Ratings - Watts Per Cell @ 25ºC (77ºF)									
End Point Volts/Cell	5min	10min	15min	20min	30min	40min	45min	50min	60min	90min
1.67	588	415	325	270	199	161	148	136	120	89.5

For UPS / Switchgear / Industrial DC Power
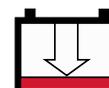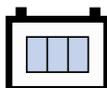
EverExceed®
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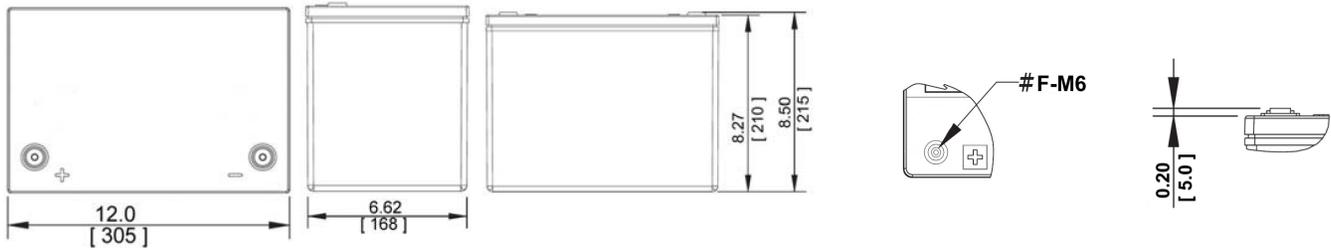
Length : 305mm   Width : 168mm   Height : 215mm

Electrical Specifications						
Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Maximum Discharge Current (5s)	Short Circuit Current	Internal resistance (mΩ)
6	12.84	57.2lbs 26.0kg	SG = 1.300	1080Amps	3500 Amps	5.0

Capacity	325Watts per all at the 15 minute rate to 1.67 volts per cell at 25°C (77°F). 90.0Ah @ 10 hr. rate to 1.80 volts per cell @ 25°C (77°F). 99.2Ah @ 20 hr. rate to 1.75 volts per cell @ 25°C (77°F).
Applicable Operating Temperature Range	-40°F (-40°C) to +158°F (70°C).
Ideal Operating Temperature Range	+68°F (+20°C) to +82.4°F (28°C).
Floating Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F).
Recommended Maximum Charging Current Limit	22.5 Amperes (0.25C10 Amperes).
Equalization and Cycle Service Charging Voltage	14.1 to 14.4 VDC/unit Average at 25°C (77°F).
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 = 0.45 amperes RMS (C/10) to 1.8VPC.
Self Discharge	EverExceed High Rate Range batteries may be stored for up to 12 months at 25°C (77°F) 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: Inserted	Threaded copper alloy insert terminal
Terminal Hardware Initial Torque: Inserted Terminal	5 N-m

Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F)										
End Point Volts/Cell	5min	10min	15min	20min	30min	40min	45min	50min	60min	90min
1.75	529	390	312	260	195	154	142	131	115	83.3
1.70	560	398	320	265	196	158	146	134	118	87.2
1.67	588	415	325	270	199	161	148	136	120	89.5

Constant Current Discharging Ratings - Ampere Per Cell @ 25°C (77°F)										
End Point Volts/Cell	1hr	2hr	3hr	5hr	8hr	10hr	12hr	20hr	24hr	72hr
1.85	53.8	31.8	22.0	15.2	10.3	8.57	7.33	4.63	3.89	1.36
1.80	57.6	34.2	23.6	16.2	10.8	9.00	7.61	4.85	4.07	1.41
1.75	61.2	35.0	24.1	16.7	11.1	9.19	7.86	4.96	4.15	1.42

Note: Batteries to be mounted with 0.39 in (1.00 cm) spacing minimum and free air ventilation.
Specifications subject to change without notification.

www.everexceed.com