

High Rate Range VRLA



SEALED VRLA MONOBLOC AGM BATTERIES



VALVE REGULATED LEAD ACID BATTERY

12V 540WATTS/CELL @ 15MIN to 1.67 VPC 12V 160AH @ 10 HR to 1.80VPC 12V 173AH @ 20 HR to 1.75VPC FOR APPLICATION:

UPS SWITCHGEAR INDUSTRIAL DC POWER

Cne-way relief valve, Explosion Resistant.

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



Innovative Features

- 12 years design life in float applications @ 25°C(77°F).
- 🖽 UL Recognized component.
- The 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.
- Derates at a low internal pressure.
- Heavy duty threaded copper alloy terminals for ease of assembly, reduced maintenance and increased safety.
- Advanced lead tin calcium alloy, reduces grid corrosion and promotes long 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.
- E Horizontal or vertical operation.
- E 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 - 540WATTS @ 15 MIN RATE											
Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F)											
5min	10min	15min	20min	30min	40min	45min	50min	60min	90min		
928	680	540	478	356	295	271	245	224	170		
_	-		5min 10min 15min	Constant Power Dischargi	Constant Power Discharging Ratings - V 5min 10min 15min 20min 30min	Constant Power Discharging Ratings - Watts Per Cell 5min 10min 15min 20min 30min 40min	Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F) 5min 10min 15min 20min 30min 40min 45min	Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F) 5min 10min 15min 20min 30min 40min 45min 50min	Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F) 5min 10min 15min 20min 30min 40min 45min 50min 60min		

For UPS / Switchgear / Industrial DC Power











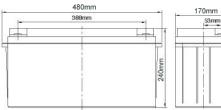


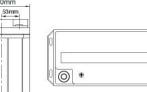


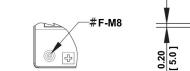
www.everexceed.com

High Rate Range VRLA











Length : 480mm Width : 170mm

Height : 240mm

Electrical Specifications									
Cells Per Unit Voltage Per Unit		Weight Electrolyte		Maximum Discharge Current	Short Circuit Current	Ohms Imped 60 Hz(Ω)			
6	12.84	115lbs 52.2kg	SG = 1.300	1016Amps	5200 Amps	0.0020			

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Capacity	540Watts per all at the 15 minute rate to 1.67 volts per cell at 25°C (77°F). 160Ah @ 10 hr. rate to 1.80 volts per cell @ 25°C (77°F). 173Ah @ 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	C/5 amperes (34.7 amperes @ 100% depth of discharge) @ 20 hr. rate to 1.75VPC.
Equalization and Cycle Service Charging Voltage	14.4 to 14.8 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 = 8.67 amperes RMS (C/20) to 1.75VPC.
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	11 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	854	638	488	446	345	282	260	240	212	163	
1.70	905	664	519	467	348	289	266	243	218	166	
1.67	928	680	540	478	356	295	271	245	224	170	

	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	102	59.1	43.7	28.4	18.8	15.4	13.2	8.25	6.96	2.48	
1.80	109	63.7	45.5	29.6	19.6	16.0	13.7	8.55	7.23	2.57	
1.75	114	65.2	46.8	30.2	20.5	16.3	13.8	8.67	7.33	2.59	

Note: Batteries to be mounted with 0.39 in (1.00 cm) spacing minimum and free air ventilation.

Specifications subject to change without notification.

