EverExceed®
power your applications

FT Range AGM VRLA

EVEREXCEED AGM TECHNOLOGY

HIGH PERFORMANCE

ISO 9001 14001

FT12V240

VALVE REGULATED

LEAD ACID BATTERY (AVR)

FOR COMMUNICATION

STANDBY POWER APPLICATIONS

12V 240AH @ 10 HR RATE to 1.80VPC

12V 276AH @ 20 HR RATE to 1.75VPC

12V 807WATTS/CELL @ 15MIN RATE to 1.67VPC

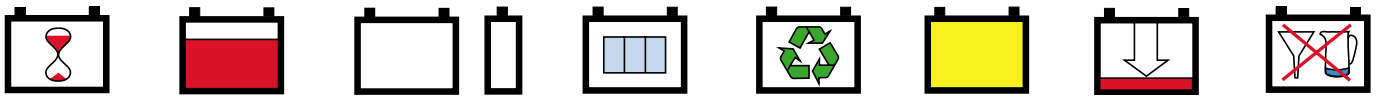
LONG DURATION

Features

- Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life - 15 year design life @ 20˚C(68˚F);
- UL Recognized component;
- Valve regulated lead acid battery (VRLA);
- Optimized high-compression Absorbed Glass Mat (AGM) materials significantly enhance performance and reliability, greater than 99% recombination efficiency;
- Advanced triple stage unique terminal sealing design to ensure leak free operation;
- Operates at a low internal pressure;
- Heavy duty M6 / M8 Female copper plated terminals provide maximum performance and easy installation, reduce maintenance and increase safety;
- Advanced lead tin low-calcium alloy, reduces grid corrosion and promotes long battery life;
- Optional: Reinforced ABS (UL 94HB) container and cover;
- Standard: Flame-retardant reinforced ABS case and cover compliant with U.L.94 V-0 with an Oxygen Limiting Index of greater than 28%;
  Designed to withstand extreme temperature degrees and performance without degradation;
- 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;
- Multi-cell design for ease of installation and maintenance;
- Horizontal or vertical operation.

12 VOLTS - 276 AMPERE HOUR @ 20 HOUR RATE										
AH Capacity to 1.75VPC @ 20°C (68°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.75	177	188	201	210	217	236	247	253	276	278

For Mobility / Solar / Marine Telecommunication Applications



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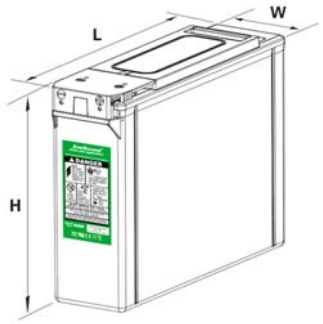
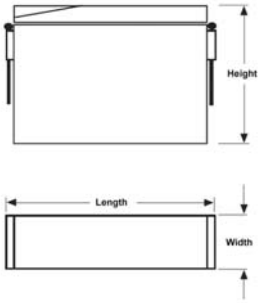
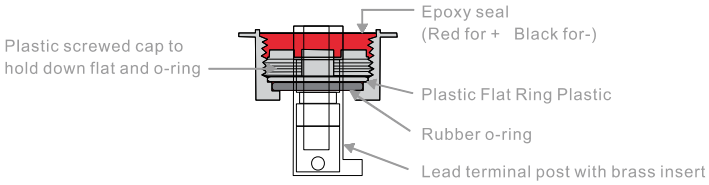
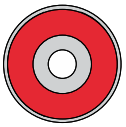
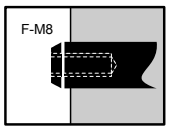






Length (L): 520 mm
Width (W): 269 mm
Height (H): 225 mm





Electrical Specifications						
Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Maximum discharge current	Short Circuit Current	Ohms Imped 60 Hz(Ω)
6	12.84	161lbs 73.0kg	SG = 1.300	1524 Amps	6000 Amps	0.0013

Capacity	767 Watts per all at the 15 minute rate to 1.75 volts per cell @ 20°C (68°F). 240 Ah @ 10 hr. rate to 1.80 volts per cell @ 20°C (68°F). 276 Ah @ 20 hr. rate to 1.75 volts per cell @ 20°C (68°F).
Applicable Operating Temperature Range	-40°C (-40°F) to +60°C (+140°F).
Ideal Operating Temperature Range	+20°C (+68°F) to +25°C (+77°F).
Floating Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F).
Recommended Maximum Charging Current Limit	0.2C20 amperes (55.2 amperes @ 100% depth of discharge) @ 20 hr. rate to 1.75VPC.
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 = 13.8 amperes RMS (C/20) to 1.75VPC.
Self Discharge	EverExceed Deep Cycle Gel Range batteries may be stored for up to 6 months at 20°C (68°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	20 N-m

Constant Power Discharging Ratings - Watts Per Cell @ 20°C (68°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	208	171	121	95.5	79.4	54.8	45.7	39.5	26.0	21.4
1.80	222	175	126	100	83.3	57.1	47.5	40.6	26.6	22.5
1.75	230	182	128	102	84.9	58.0	48.4	41.3	27.2	23.0

Constant Current Discharging Ratings - Ampere per Cell @ 20°C (68°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	109	86.6	61.6	48.4	40.2	27.9	23.0	19.4	12.8	10.5
1.80	116	92.1	65.5	51.2	42.7	28.9	24.0	20.5	13.5	11.3
1.75	118	94.0	66.9	52.6	43.3	29.5	24.7	21.1	13.8	11.6

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