



HIGH PERFORMANCE

EVEREXCEED AGM TECHNOLOGY

FT12V200

VALVE REGULATED

LEAD ACID BATTERY (AVR)

FOR COMMUNICATION

STANDBY POWER APPLICATIONS

12V 200AH @ 10 HR RATE to 1.80VPC

12V 198AH @ 8 HR RATE to 1.75VPC

12V 670WATTS/CELL @ 15MIN RATE to 1.67VPC

LONG DURATION



Innovative Features

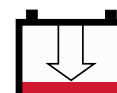
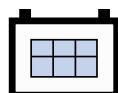
- ☑ Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life - 15 years design life @ 20°C(68°F);
- ☑ UL Recognized component;
- ☑ Valve regulated lead acid battery (VRLA);
- ☑ Optimized high-compression Absorbed Glass Mat (AGM) materials significantly enhance performance and reliability, greater than 99% recombination efficiency;
- ☑ 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.
- ☑ 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 - 200 AMPERE HOUR @ 10 HOUR RATE

AH Capacity to 1.80VPC @ 20°C (68°F)

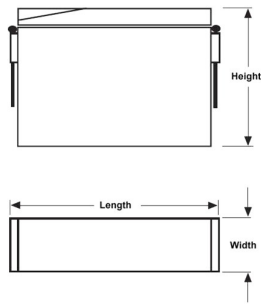
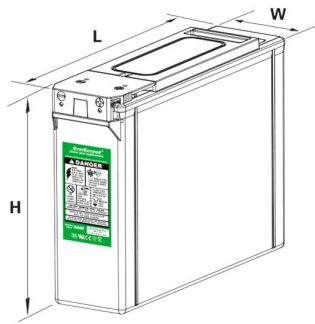
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 12hr | 20hr | 24hr |
|----------------------|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 1.80 | 143 | 153 | 163 | 170 | 177 | 188 | 191 | 200 | 204 | 222 | 225 |

For Mobility / Solar / Marine Telecommunication Applications

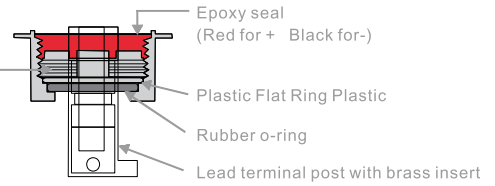


FT AGM Range VRLA

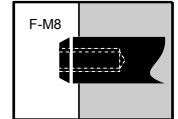
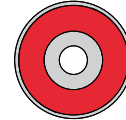
EverExceed[®]
power your applications



Plastic screwed cap to hold down flat and o-ring



Length (L): 520 mm
Width (W): 238 mm
Height (H): 220 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 | 143lbs 65.0kg | SG = 1.300 | 1270 Amps | 5400 Amps | 0.00325 |

| | |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity | 200 Ah @ 10 hr. rate to 1.80 volts per cell @ 20°C (68°F). 198 Ah @ 8 hr. rate to 1.75 volts per cell @ 20°C (68°F). 670 Watts per all at the 15 minute rate to 1.67 volts per cell @ 20°C (68°F). |
| Applicable Operating Temperature Range | -40°C (-40°F) to +70°C (+158°F). |
| Ideal Operating Temperature Range | +20°C (+68°F) to +28°C (+82.4°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 (45.6 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 = 11.4 amperes RMS (C/20) to 1.75VPC. |
| Self Discharge | EverExceed FT AGM Range batteries may be stored for up to 12 months at 20°C~25°C (68°F~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 | 20 NM |

| Constant Power Discharging Ratings - Watts Per Cell @ 20°C (68°F) | | | | | | | | | | | |
|-------------------------------------------------------------------|-------|-----|-----|------|------|------|------|------|------|------|------|
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 12hr | 20hr | 24hr |
| 1.85 | 173 | 141 | 100 | 79.3 | 66 | 67.7 | 45.5 | 38 | 32.8 | 21.5 | 17.8 |
| 1.80 | 185 | 146 | 105 | 83 | 69.1 | 71.7 | 47.5 | 39.3 | 33.8 | 22.2 | 18.7 |
| 1.75 | 190 | 151 | 107 | 84.7 | 70.5 | 72.9 | 48.3 | 40.3 | 34.3 | 22.6 | 19 |

| Constant Current Discharging Ratings - Ampere per Cell @ 20°C (68°F) | | | | | | | | | | | |
|----------------------------------------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|
| End Point Volts/Cell | 1.5hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 12hr | 20hr | 24hr |
| 1.85 | 89.8 | 72 | 51.1 | 40.3 | 33.4 | 29.7 | 23.2 | 19 | 16.2 | 10.7 | 8.76 |
| 1.80 | 96 | 76.5 | 54.5 | 42.6 | 35.4 | 31.5 | 24 | 20 | 17 | 11.1 | 9.37 |
| 1.75 | 98 | 78.2 | 55.5 | 43.7 | 36.1 | 32.4 | 24.7 | 20.5 | 17.5 | 11.4 | 9.65 |

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

