



EVEREXCEED AGM TECHNOLOGY

FT12V250

VALVE REGULATED

LEAD ACID BATTERY (AVR)

FOR COMMUNICATION

STANDBY POWER APPLICATIONS

12V 250AH @ 10 HR RATE to 1.80VPC

12V 286AH @ 20 HR RATE to 1.75VPC

12V 840WATTS/CELL @ 15MIN RATE to 1.67VPC

**LONG
DURATION**

**HIGH
PERFORMANCE**



Features

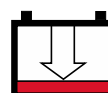
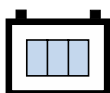
- ✚ Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life - 15 year design life @ 20°C(68°F);
- ✚ UL Recognized component;
- ✚ Valve regulated lead acid battery (VRLA);
- ✚ Optimized high-compression Absorbed Glass Mat (AGM) materials significantly enhance performance 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 - 286 AMPERE HOUR @ 20 HOUR RATE

AH Capacity to 1.75VPC @ 20°C (68°F)

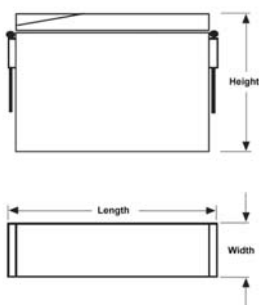
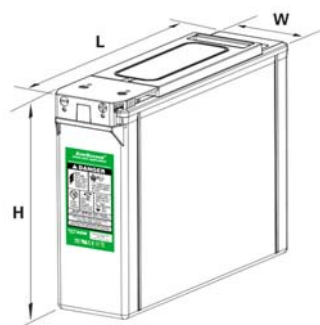
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.75	185	196	209	219	226	246	258	264	286	290

For Mobility / Solar / Marine Telecommunication Applications

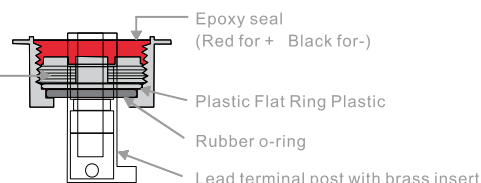


FT Range AGM VRLA

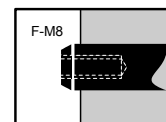
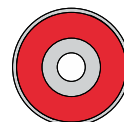
EverExceed®
power your applications



Plastic screwed cap to hold down flat and o-ring



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	163lbs 74.0kg	SG = 1.300	1587 Amps	6200 Amps	0.0012

Capacity	799 Watts per all at the 15 minute rate to 1.75 volts per cell @ 20°C (68°F). 250 Ah @ 10 hr. rate to 1.80 volts per cell @ 20°C (68°F). 286 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 (57.2 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 = 14.3 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	216	178	126	99.5	82.7	57.1	47.6	41.2	27.1	22.3
1.80	232	183	132	104	86.7	59.5	49.5	42.3	27.7	23.5
1.75	239	189	134	106	88.5	60.4	50.4	43	28.4	23.9

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	113	90.2	64.1	50.4	41.8	29.0	23.9	20.2	13.4	11.0
1.80	121	96.0	68.3	53.4	44.5	30.1	25.0	21.3	14.0	11.7
1.75	123	97.9	69.7	54.8	45.1	30.8	25.8	22.0	14.3	12.1

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

