



**EVEREXCEED AGM TECHNOLOGY**

**FT6V200**

**VALVE REGULATED  
LEAD ACID BATTERY (AVR)  
FOR COMMUNICATION**

**STANDBY POWER APPLICATIONS**

**6V 200.0AH @ 10 HR RATE to 1.80VPC**

**6V 198.0AH @ 8 HR RATE to 1.75VPC**

**6V 676 WATTS/CELL @ 15MIN RATE to 1.67VPC**

**LONG  
DURATION**



**HIGH  
PERFORMANCE**

**Innovative Features**

- ◆ 12 years design life @ 25°C(77°F);
- ◆ Virgin Pure Lead Tin and thick positive plate technology design for maximum service float life ;
- ◆ 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;
- ◆ Up to 12 months shelf life due to low self-discharge rate (less than 3%/month at 25°C)
- ◆ Heavy duty M6 / M8 Female copper plated terminals provide maximum performance and easy installation, reduce maintenance and increase safety;
- ◆ Advanced lead high-tin low-calcium alloy, reduces grid corrosion and promotes long battery life;
- ◆ Standard: Reinforced ABS (UL 94HB) container and cover; Optional: Flame-retardant reinforced ABS case and cover compliant with UL94 V-0 with an Oxygen Limiting Index of greater than 28%;
- ◆ Designed to withstand extreme temperature degrees and performance without degradation;
- ◆ Flame arresting, low pressure safety release venting system for individual cells, recognized per UL 924.

**6 VOLTS - 200.0 AMPERE HOUR @ 10 HOUR RATE**

**AH Capacity to 1.80VPC @ 25°C (77°F)**

End Point Volts/Cell	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.80	124	146	161	170	177	188	191	200	216

**For UPS / Solar / Telecommunication Applications**



EverExceed | Empower, Energize, Exceed  
the Energy you Expect forever

[www.exerexceed.com](http://www.exerexceed.com)



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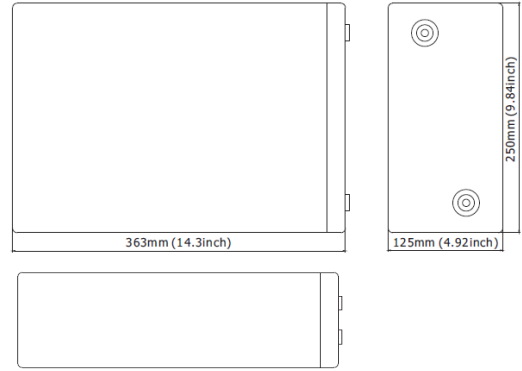
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Electrical Specifications	
Cells Per Unit	6
Voltage Per Unit	6.42V
Weight	69.3lbs 31.5kg
Electrolyte	SG = 1.300
Maximum Discharge Current@5s	2000Amps
Short Circuit Current	3500Amps
Internal Resistance	1.8(mΩ)

Length : 250mm  
Width : 125mm  
Height : 363mm  
Total Height : 370mm



<b>Capacity</b>	200.0 Ah @ 10 hr. rate to 1.80 volts per cell @ 25°C (77°F). 198.0 Ah @ 8 hr. rate to 1.75 volts per cell @ 25°C (77°F). 676 Watts per all at the 15 minute rate to 1.67 volts per cell @ 25°C (77°F).
<b>Applicable Operating Temperature Range</b>	-40°C (-40°F) to +70°C (+158°F).
<b>Ideal Operating Temperature Range</b>	+20°C (+68°F) to +28°C (+82.4°F).
<b>Floating Charging Voltage</b>	6.75 to 6.90 VDC/unit Average at 25°C (77°F).
<b>Recommended Maximum Charging Current Limit</b>	50 Amperes ( 0.25C <sub>10</sub> Amperes )
<b>Equalization and Cycle Service Charging Voltage</b>	14.1 to 14.4 VDC/unit Average at 25°C (77°F).
<b>Maximum AC Ripple (Charger)</b>	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 0.5% RMS (4% P-P). Maximum current allowed = 1.00 amperes RMS (C/10) to 1.80VPC.
<b>Self Discharge</b>	EverExceed FT 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 recharge time interval will be shorter.
<b>Accessories</b>	Inter unit connectors racks and cabinet systems are available.
<b>Terminal: Inserted</b>	Threaded copper alloy insert terminal
<b>Terminal Hardware Initial Torque: Inserted Terminal</b>	11 NM

Constant Power Discharging Ratings - Watts Per Cell @ 25°C (77°F)															
End Point Volts/Cell	5min	10min	15min	30min	45min	60min	End Point Volts/Cell	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.80	806	618	553	387	300	238	1.85	134	100	79.3	66.0	57.5	45.5	38.0	21.5
1.75	904	675	582	403	309	246	1.80	138	103	82.0	69.1	58.6	47.5	39.3	22.2
1.67	988	730	619	413	315	249	1.75	140	104	82.7	70.5	60.0	48.3	40.3	22.6

Constant Current Discharging Ratings - Ampere per Cell @ 25°C (77°F)															
End Point Volts/Cell	5min	10min	15min	30min	45min	60min	End Point Volts/Cell	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.80	465	350	298	205	155	124	1.85	70.5	50.7	40.3	33.2	29.7	23.1	19.4	10.5
1.75	530	385	325	212	161	129	1.80	73.0	53.7	42.5	35.4	31.3	23.9	20.0	10.8
1.67	612	428	352	215	163	131	1.75	74.5	55.0	43.8	36.0	32.5	24.8	20.3	11.0

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



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