



**FT1210**

**FT SERIES**

**CYCLING CAPACITY**

20 Hour Rate **140 Amp Hours**

**RESERVE CAPACITY**

Reserve @25 AMPS **321 Minutes** Reserve @75 AMPS **70 Minutes**

**ELECTRICAL SPECIFICATIONS**

Nominal Voltage	<b>12 Volt</b>
C100	<b>144 AH</b>
C20	<b>140 AH</b>
C5	<b>115 AH</b>
Short Circuit Current	<b>3540 Amps</b>
CCA	<b>1210 Amps</b>
CA or MCA	<b>1505 Amps</b>
PHCA	<b>2400 Amps</b>
Internal Resistance	<b>3.5 mΩ</b>

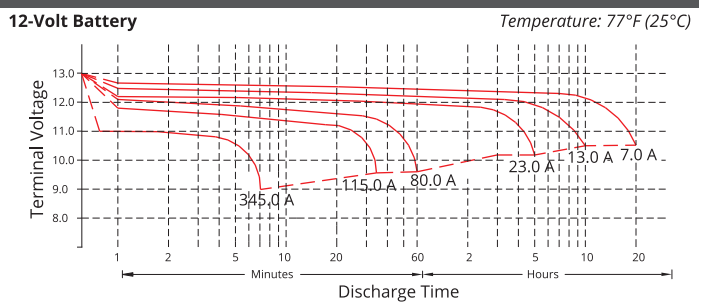
**MECHANICAL SPECIFICATIONS**

Group Size	<b>GC12</b>	
Terminal Type	<b>M8</b>	
Terminal Torque	<b>See reverse side</b>	
Height (w/ terminal)	<b>10.75"</b>	<b>273 mm</b>
Height (case only)	<b>10.59"</b>	<b>269 mm</b>
Width	<b>7.17"</b>	<b>182 mm</b>
Length	<b>12.87"</b>	<b>217 mm</b>
Weight	<b>97.4 lbs</b>	<b>44.2 kg</b>
Case Type	<b>ABS Plastic - Flame Res. Rating UL94-HB</b>	

**DISCHARGE TABLE (Constant Current)**

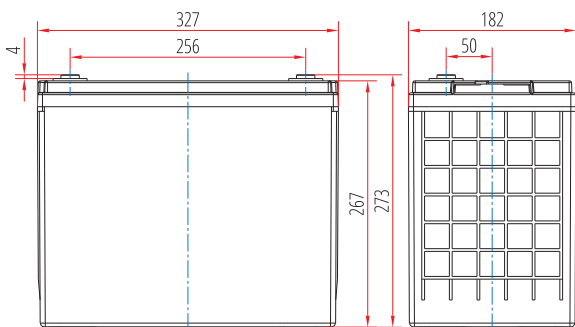
Time	Amps	Rate
20hr	7.0	0.05 CA
10hr	13.0	0.10 CA
8hr	14.8	0.13 CA
5hr	23.0	0.25 CA
3hr	32.2	0.33 CA
2hr	44.1	0.50 CA
1hr	80.0	1.00 CA

**DISCHARGE PROFILE (Constant Current)**

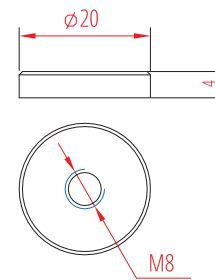


- All listed ratings are @ 100% SoC, T=77°F (25°C), 1.75VPC unless otherwise specified.  
 - Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

**BATTERY & TERMINAL DIMENSIONS (All units shown in mm)**



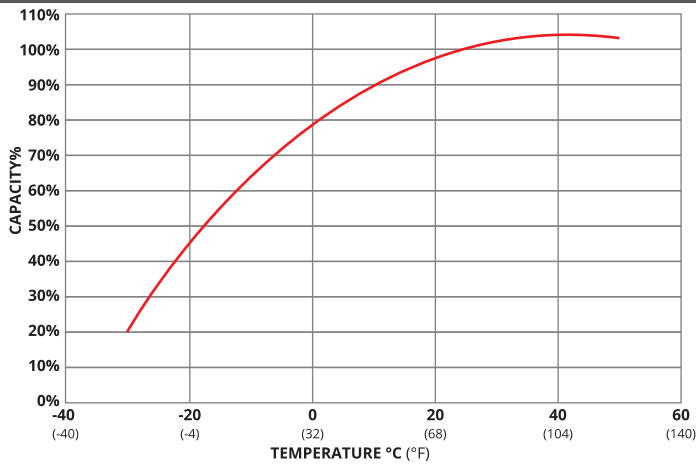
**Terminal: M8**



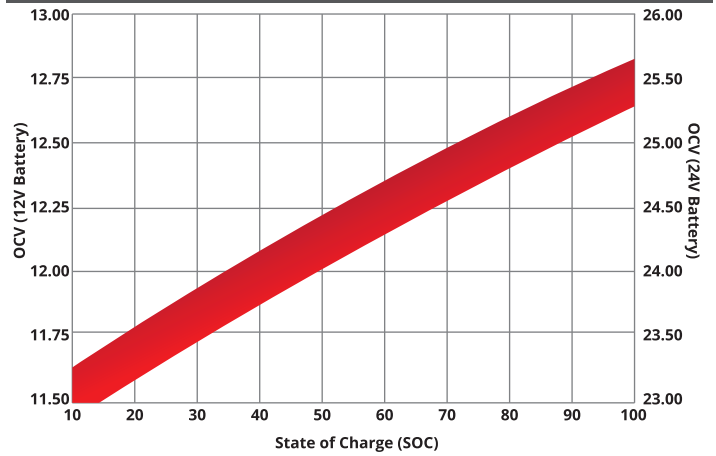
**FULL THROTTLE SERIES | HIGH CRANKING AGM**

**fullriverbattery.com**

## TEMPERATURE vs CAPACITY

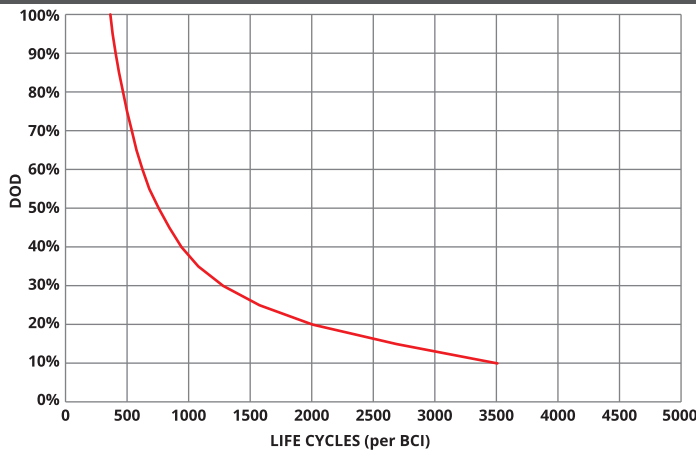


## STATE of CHARGE (SOC) vs OPEN CIRCUIT VOLTAGE (OCV)

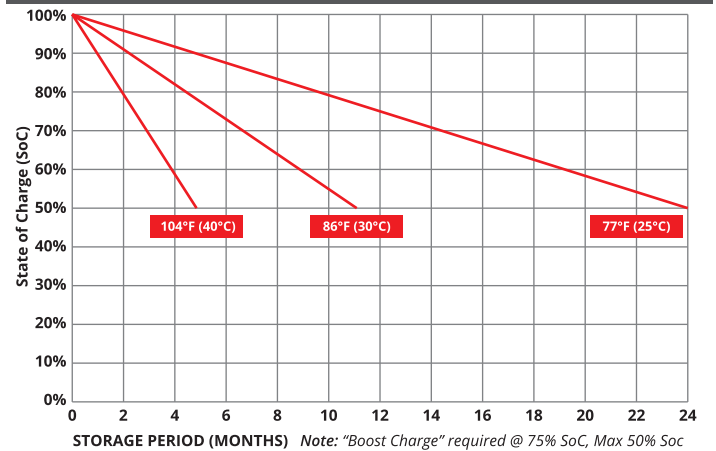


## CYCLE LIFE vs DEPTH of DISCHARGE (DOD)

\*(Based on BCI Testing @ 2-hr Rate)



## SELF DISCHARGE vs TIME/TEMPERATURE



## TEMPERATURE RANGE SPECIFICATIONS

Condition	Recommended	Maximum	Recommended	Maximum
Storage	5°F to 122°F	-40°F to 160°F	-15°C to 50°C	-40°C to 71°C
Operation	5°F to 104°F	-40°F to 160°F	-15°C to 40°C	-40°C to 71°C
Charge with TC	5°F to 122°F	-40°F to 160°F	-15°C to 50°C	-40°C to 71°C
Charge w/o TC	32°F to 104°F	5°F to 122°F	0°C to 40°C	-15°C to 50°C

\*TC= Temperature Compensation

## CHARGE VOLTAGES

Charge Stage	Battery Voltages			
	12V	24V	36V	48V
Bulk	14.4 - 14.7V	28.8 - 29.4V	43.2 - 44.1V	57.6 - 58.8V
Absorption	14.4 - 14.7V	28.8 - 29.4V	43.2 - 44.1V	57.6 - 58.8V
Float	13.6V	27.2V	40.8V	54.6V

TC Factor: (-2mV°F/cell) or (-4mV°C/cell)

## TERMINAL TORQUE SPECS

Terminal Type	ft-lbs	in-lbs	Nm
AP, DT (AP), M6, M6M (Stud), TP07 (AP), TP08 (AP)	4.2 - 6.0	50-70	5.6 - 7.9
FR45	6.0 - 7.5	70-90	7.9 - 10.1
M8	7.1 - 8.0	85-95	9.6 - 10.7
DT (Stud), M10M (Stud)	9.2 - 10.4	110-125	12.2 - 14



9001:2008 Quality Management System  
 14001:2004 Environmental Management System  
 18001:2007 Occupational Health & Safety Management System



TPPL TECHNOLOGY

DELIVERY APPROVED!  
**LAND, SEA  
 & AIR**

Fullriver batteries are sealed lead acid batteries made with Absorbed Glass Mat (AGM) technology. The electrolyte is absorbed into the fiberglass separator material rather than in a free-flowing liquid form. Fullriver batteries are non-spillable electric storage batteries. They are exempted from the requirements of DOT's hazardous materials regulations, since they adhere to the requirements of code 49 CFR Section 173.159(D) - (CLASSIFIED APPROVED: DOT, CFR, HMR49, IATA, ICAO67, IMDG27)