

FT16V830-24



FT
SERIES

CYCLING CAPACITY

20 Hour Rate **62 Amp Hours**

RESERVE CAPACITY

Reserve @25 AMPS **120 Minutes** Reserve @75 AMPS **28 Minutes**

ELECTRICAL SPECIFICATIONS

Nominal Voltage	16 Volt
C20	62 AH
C10	58 AH
C5	53 AH
Short Circuit Current	1877 Amps
CCA	660 Amps
CA or MCA	830 Amps
PHCA	1140 Amps
Internal Resistance	9.0 mΩ

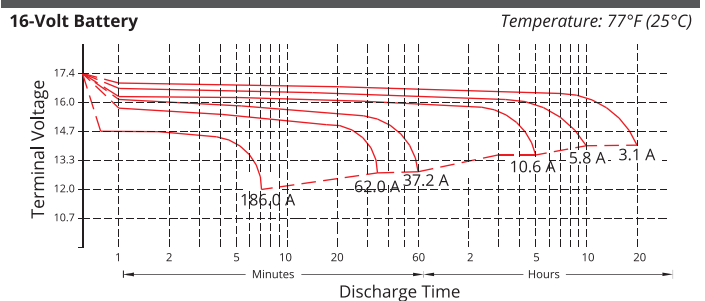
MECHANICAL SPECIFICATIONS

Group Size	24	
Terminal Type	M6	
Terminal Torque	See reverse side	
Height (w/ terminal)	8.54"	217 mm
Height (case only)	8.39"	213 mm
Width	6.61"	168 mm
Length	10.24"	260 mm
Weight	59.3 lbs	26.9 kg
Case Type	ABS Plastic - Flame Res. Rating UL94-HB	

DISCHARGE TABLE (Constant Current)

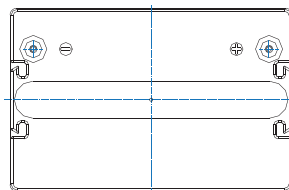
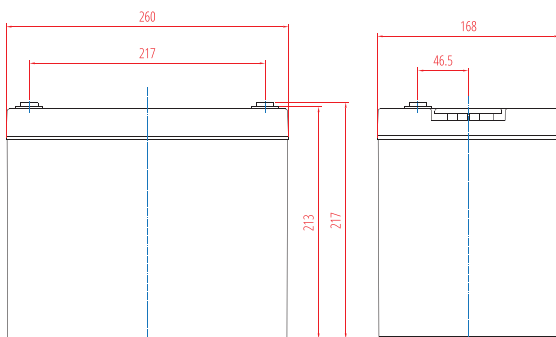
Time	Amps	Rate
20hr	3.1	0.05 CA
10hr	5.8	0.10 CA
8hr	7.5	0.13 CA
5hr	10.6	0.25 CA
3hr	15.5	0.33 CA
2hr	21.1	0.50 CA
1hr	37.2	1.00 CA

DISCHARGE PROFILE (Constant Current)

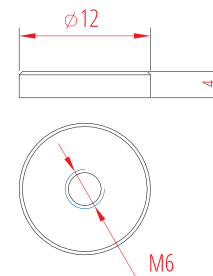


- All listed ratings are @ 100% SoC, T=77°F (25°C), 1.75VPC unless otherwise specified.
- Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

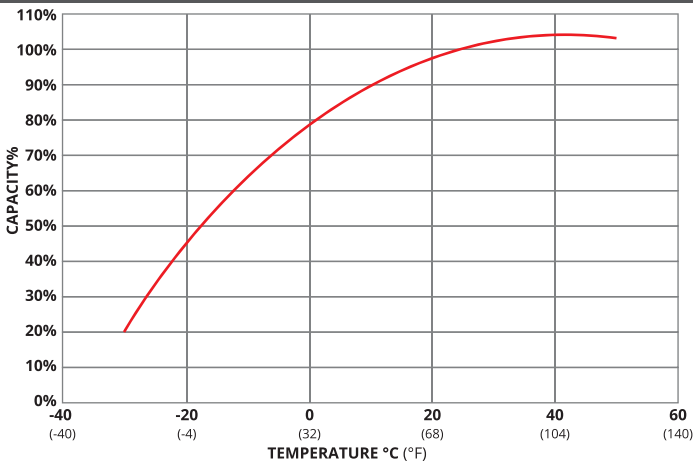
BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



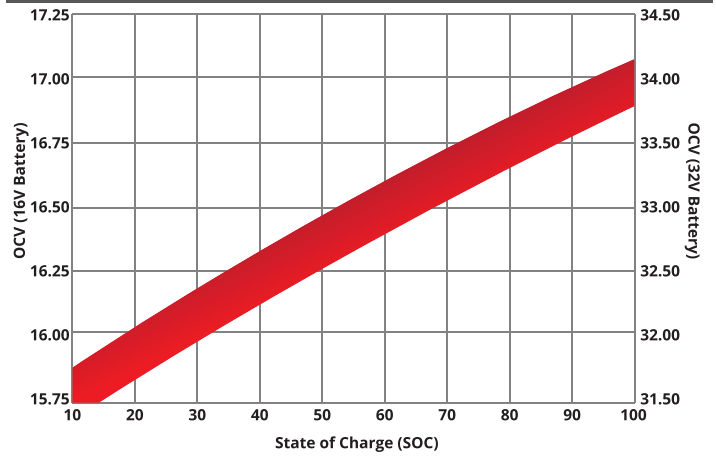
Terminal: M6



TEMPERATURE vs CAPACITY

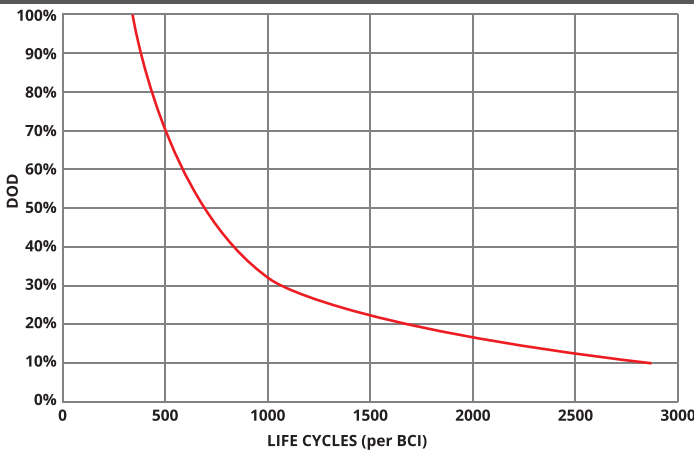


STATE of CHARGE (SOC) vs OPEN CIRCUIT VOLTAGE (OCV)

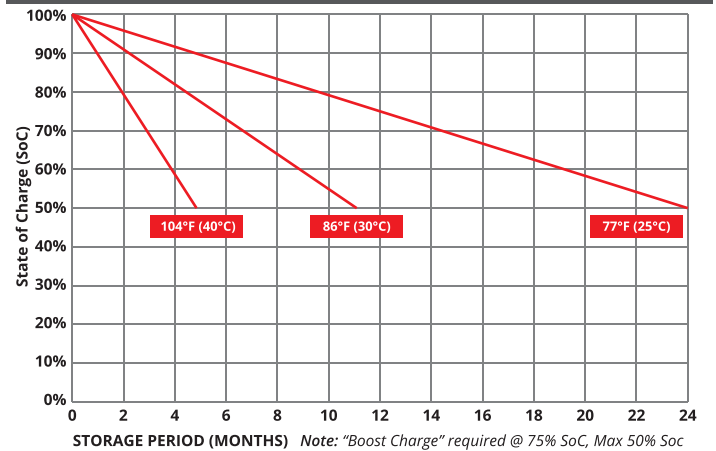


CYCLE LIFE vs DEPTH of DISCHARGE (DOD)

*(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			
	16V	32V	48V	96V
Bulk	19.2 - 19.6V	38.4 - 39.2V	57.6 - 58.8V	115.2 - 117.6V
Absorption	19.2 - 19.6V	38.4 - 39.2V	57.6 - 58.8V	115.2 - 117.6V
Float	18.2V	36.4V	54.6V	109.2V

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)