FULL FORCE BATTERY

FFD245-6

FULL FORCE SERIES | DEEP CYCLE AGM

CYCLING CAPACITY

20 Hour Rate	**245 Amp Hours**

RESERVE CAPACITY

Reserve @25 AMPS	**457 Minutes**	Reserve @75 AMPS	**120 Minutes**

ELECTRICAL SPECIFICATIONS

Nominal Voltage	**6 Volt**
C100	**270 AH**
C20	**245 AH**
C10	**230 AH**
C5	**198 AH**
CCA	**930 Amps**
CA or MCA	**1120 Amps**
Internal Resistance	**2 mΩ**

MECHANICAL SPECIFICATIONS

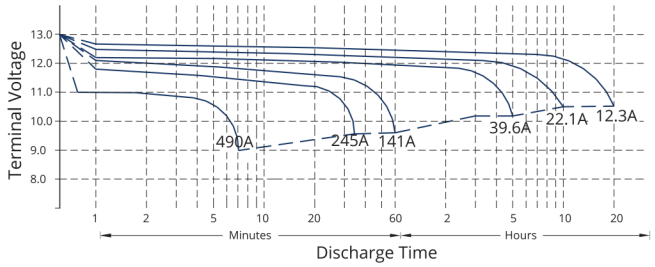
Group Size	**DIN**	
Terminal Type	**M8 + TP**	
Terminal Torque	**5.8 - 6.7** ft/lbs **62 - 80** lbs/in **7 - 9** Nm	
Height (w/ terminal)	**10.83"**	**275 mm**
Height (case only)	**10.83"**	**275 mm**
Width	**7.40"**	**188 mm**
Length	**9.57"**	**243 mm**
Weight	**73.85 lbs**	**33.48 kg**
Case Type	**ABS Plastic** Flame Res. Rating UL94-HB	

DISCHARGE TABLE (Constant Current)

Time	Amps	Rate
20hr	12.3	0.05 CA
10hr	22.1	0.10 CA
8hr	24.9	0.13 CA
5hr	39.6	0.20 CA
3hr	55.4	0.33 CA
2hr	74.9	0.50 CA
1hr	137	1.00 CA

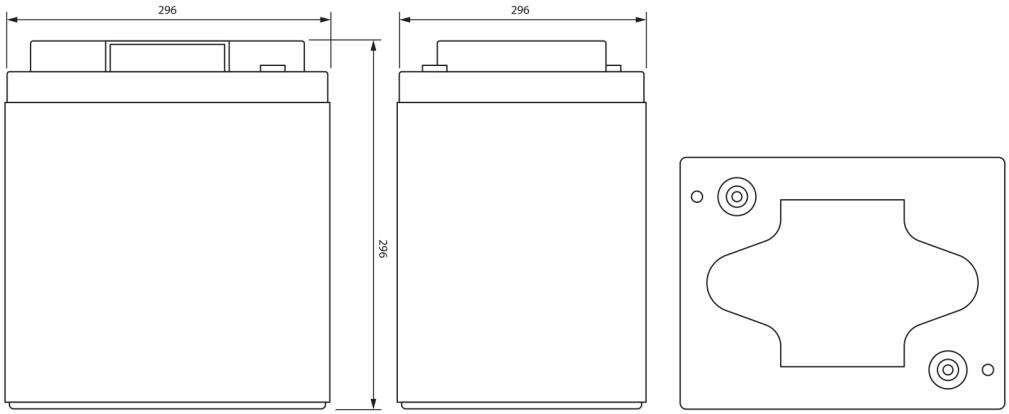
DISCHARGE PROFILE (Constant Current)

6-Volt Battery *Temperature: 77°F (25°C)*

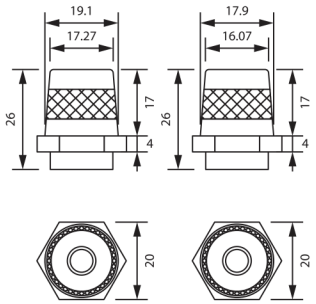


- All listed ratings are @ 100% SoC, T=77°F (25°C), 1.75VPC unless otherwise specified.
- Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



Terminal: M8 + TP



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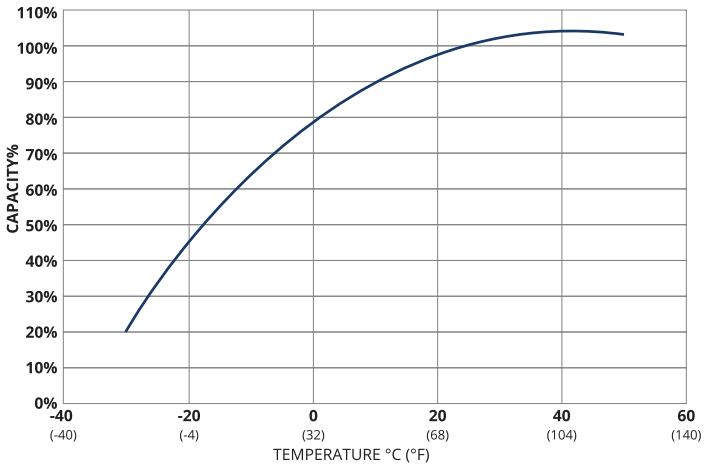
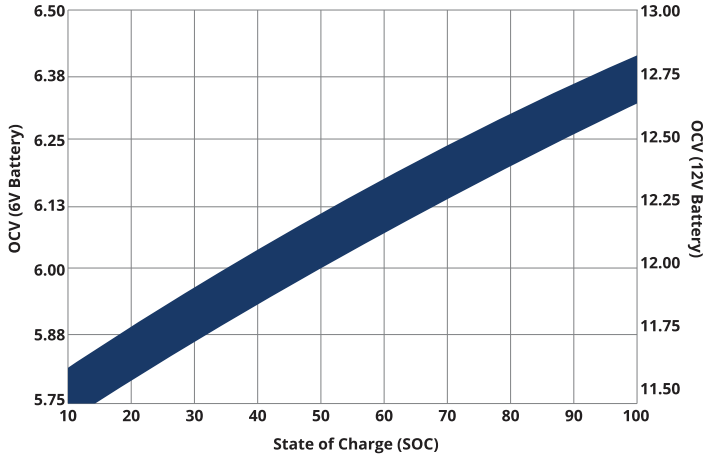
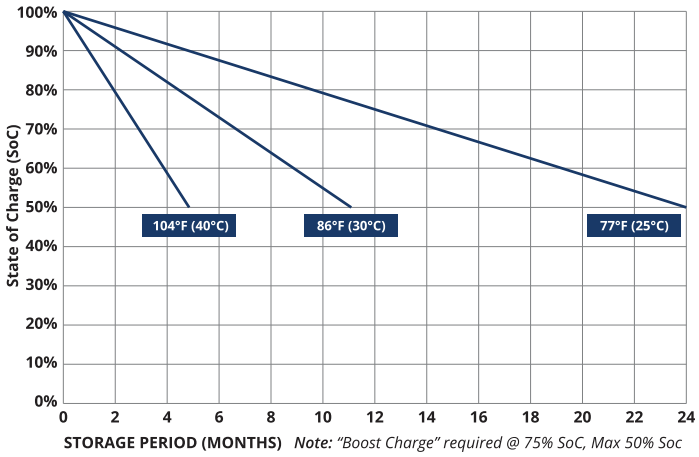
TEMPERATURE vs CAPACITY



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

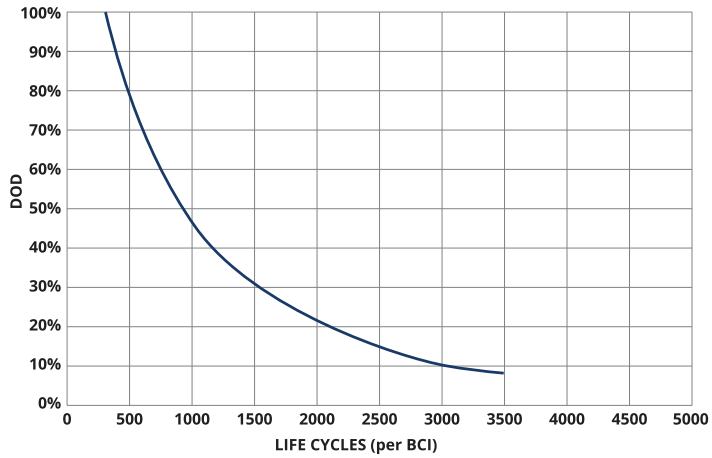


SELF DISCHARGE vs TIME/TEMPERATURE



Note: "Boost Charge" required @ 75% SoC, Max 50% Soc

CYCLE LIFE vs DEPTH of DISCHARGE (DOD)



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

	Battery Voltages			
Charge Stage	**6V**	**12V**	**24V**	**48V**
Bulk	7.25V	14.40V	28.80V	58.00V
Absorption	7.10V	14.00V	28.00V	56.00V
Float	6.75V	13.50V	27.00V	54.00V

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

TERMINAL TORQUE SPECS

M5TAS	M6	M8	M10	M6M (Stud)	M8M (Stud)	M10M(Stud) & 3/8" Stud	FR45	TP06 (AP)	TP08/TP68 (AP)	AP
1.67-2.5ft-lbs	3.3-4.8ft-lbs	5.2-6.7ft-lbs	8.1-10.3ft-lbs	2.6-3.7ft-lbs	4.4-5.9ft-lbs	7.4-8.8ft-lbs	4.8-6.3ft-lbs	2.6-3.3ft-lbs	4.6-6.3ft-lbs	4.2-5.8ft-lbs
20-30lbs-in	40-57.5lbs-in	62-80lbs-in	97-124lbs-in	31-44lbs-in	53-71lbs-in	88.5-106lbs-in	57-75lbs-in	31-40lbs-in	55-75lbs-in	50-70lbs-in
2.26-3.39Nm	4.5-6.5Nm	7-9Nm	11-14Nm	3.5-5Nm	6-8Nm	10-12Nm	6.5-8.5Nm	3.5-4.5Nm	6.2-8.5Nm	5.6-7.9Nm

ISO CERTIFIED

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

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 excepted 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)**

REV: 05/09/2025