



DC24-12



CYCLING CAPACITY

20 Hour Rate **24 Amp Hours**

RESERVE CAPACITY

Reserve @25 AMPS **27 Minutes** Reserve @75 AMPS -

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12 Volt
C100	27 AH
C20	24 AH
C10	21.6 AH
C5	19.7 AH
CCA	160 Amps
CA or MCA	195 Amps
HPCA	360 Amps
Internal Resistance	10m Ω

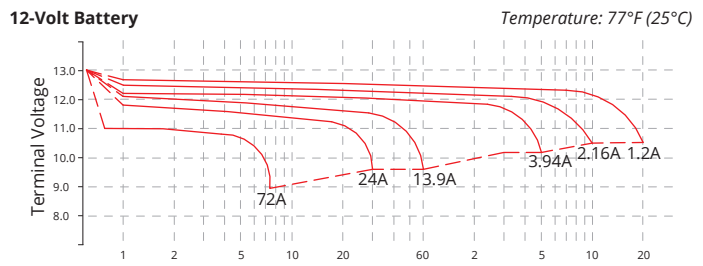
MECHANICAL SPECIFICATIONS

Group Size	-	
Terminal Type	M5	
Terminal Torque	See reverse side	
Height (w/ terminal)	4.92"	125mm
Height (case only)	4.92"	125mm
Width	6.93"	176mm
Length	6.50"	165mm
Weight	19.62 lbs.	8.9 kg
Case Type	ABS Plastic - Flame Res. Rating UL94-HB	

DISCHARGE TABLE (Constant Current)

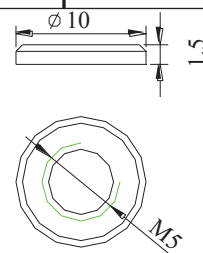
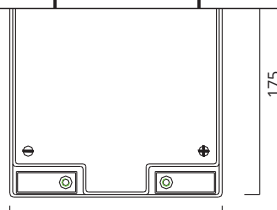
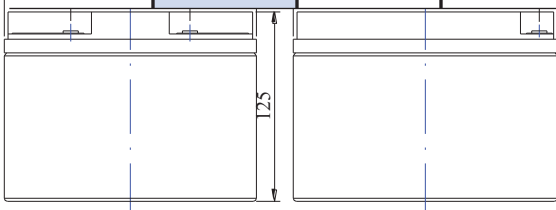
Time	Amps	Rate
20hr	1.2	0.05CA
10hr	2.16	0.10CA
8hr	2.6	0.13CA
5hr	3.94	0.20CA
3hr	5.4	0.33CA
2hr	7.2	0.50CA
1hr	12.0	1.00CA

DISCHARGE PROFILE (Constant Current)



TERMINAL TORQUE SPECS (applicable values are highlighted)

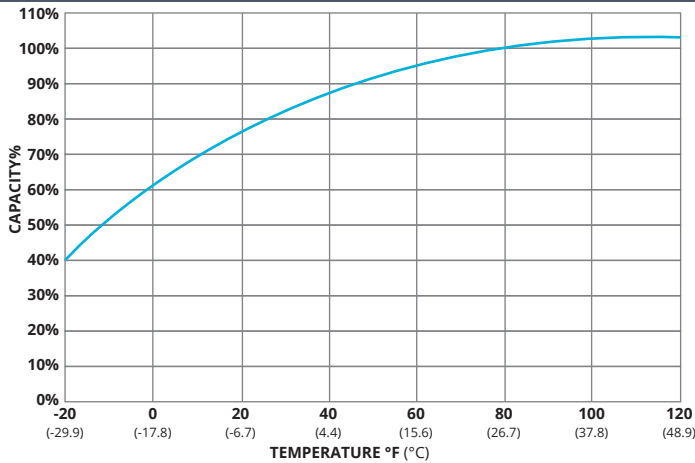
	M6, AP	M8	M10	M6M (Stud)	M8M (Stud)	M10M (Stud)	3/8" Stud	FR45	TP06 (AP)	TP08/TP68 (AP)
BAT	4.1-5.8ft-lbs	5.2-6.7ft-lbs	8.1-10.3ft-lbs	2.6-3.7ft-lbs	4.4-5.9ft-lbs	7.4-8.8ft-lbs	7.4-8.8ft-lbs	4.8-6.3ft-lbs	2.6-3.3ft-lbs	4.6-6.3ft-lbs
	50-70lbs-in	62-80lbs-in	97-124lbs-in	31-44lbs-in	53-71lbs-in	88.5-106lbs-in	88.5-106lbs-in	57-75lbs-in	31-40lbs-in	55-75lbs-in
	5.6-7.9Nm	7-9Nm	11-14Nm	3.5-5Nm	6-8Nm	10-12Nm	10-12Nm	6.5-8.5Nm	3.5-4.5Nm	6.2-8.5Nm



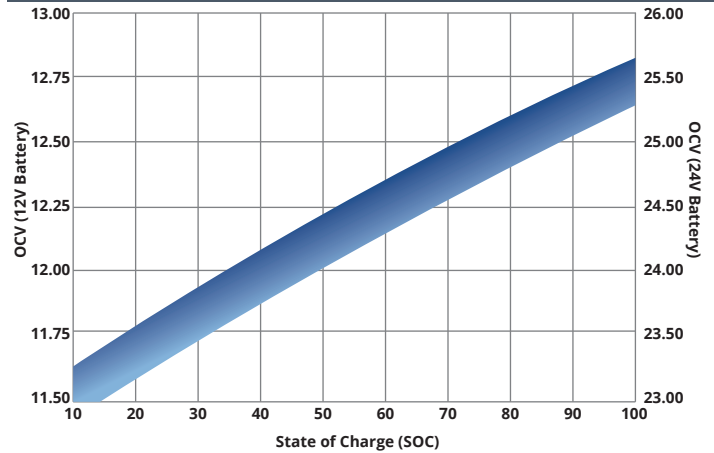
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TEMPERATURE vs CAPACITY

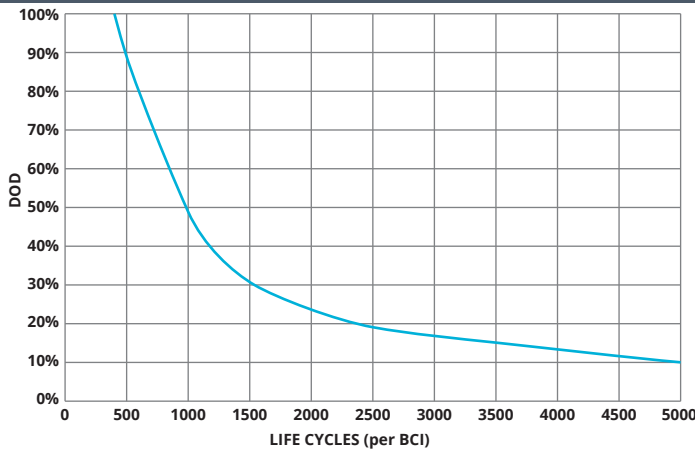


STATE of CHARGE (SOC) vs OPEN CIRCUIT VOLTAGE (OCV)

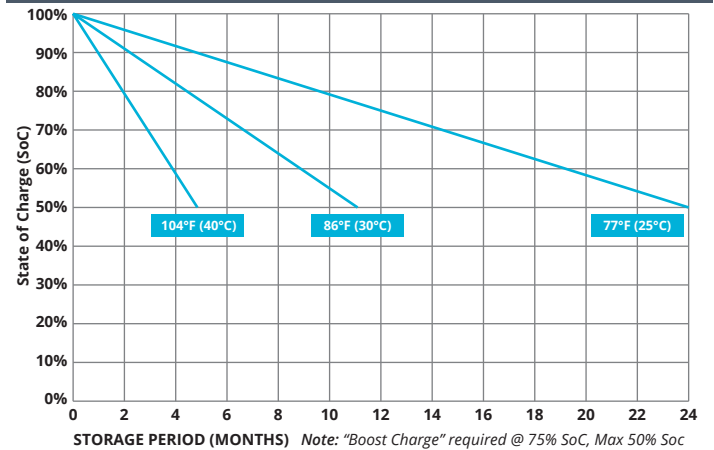


CYCLE LIFE vs DEPTH of DISCHARGE (DOD)

*(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	14.7V	29.4V	44.1V	58.8V
Absorption	14.7V	29.4V	44.1V	58.8V
Float	13.6V	27.2V	40.8V	54.6V

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

TERMINAL TORQUE SPECS (applicable values are highlighted)

M6	M8	M10	M6M (Stud)	M8M (Stud)	M10M (Stud) & 3/8" Stud	FR45	TP06 (AP)	TP08/TP68 (AP)	AP
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
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
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



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)