



DC200-8

DEEP CYCLE

200AH @ 20Hr
8-Volt

Group Size: GC8H

Maintenance-Free
Sealed AGM Battery

CYCLING CAPACITY

20 Hour Rate **200 Amp Hours**

RESERVE CAPACITY

Reserve @25 AMPS **390 Minutes**

Reserve @56 AMPS **140 Minutes**

ELECTRICAL SPECIFICATIONS

Nominal Voltage	8 Volt
C100	220AH
C20	200AH
C10	180AH
C5	164AH
CCA	1150
CA or MCA	1420
HPCA	2000 Amps
Internal Resistance	2.0m Ω

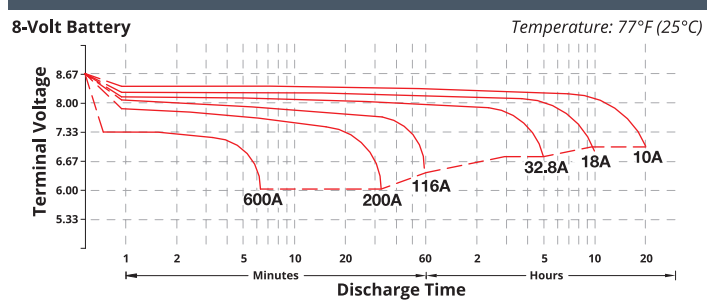
MECHANICAL SPECIFICATIONS

Group Size	GC8H	
Terminal Type	M8	
Terminal Torque	See reverse side	
Height (w/ terminal)	11.77"	299mm
Height (case only)	11.61"	295mm
Width	7.16"	182mm
Length	10.24"	260mm
Weight	82.9 lbs.	37.6 kg
Case Type	ABS Plastic - Flame Res. Rating UL94-HB	

DISCHARGE TABLE (Constant Current)

Time	Amps	Rate
20hr	10.0	0.05CA
10hr	18.0	0.10CA
8hr	21.8	0.13CA
5hr	32.8	0.25CA
3hr	52.1	0.33CA
2hr	76.6	0.50CA
1hr	111	1.00CA

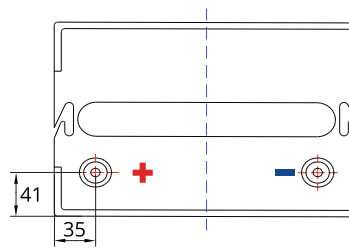
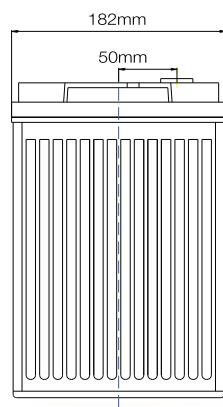
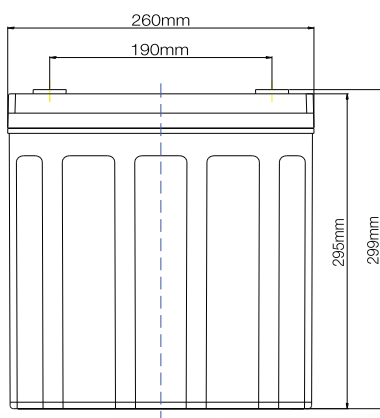
DISCHARGE PROFILE (Constant Current)



- All listed ratings are @ 100% SoC, T=77°F (25°C), 1.75VPC unless otherwise specified.

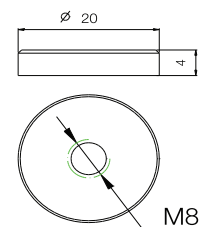
- Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



Battery bank spacing required,
12.5mm (1/2" inch) minimum

Terminal: M8



(unit: mm)



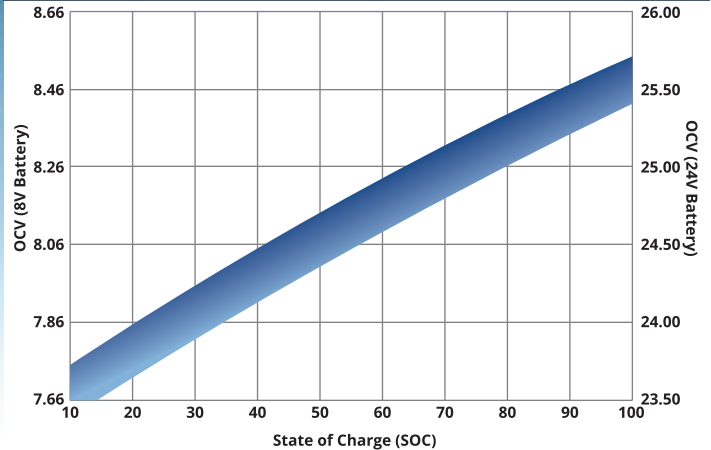
DC200-8 DATA SHEET

fullriverbattery.com

TEMPERATURE vs CAPACITY

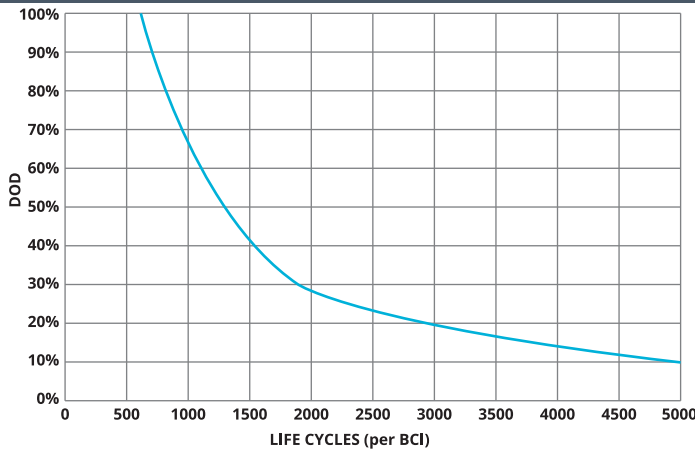


STATE of CHARGE (SOC) vs OPEN CIRCUIT VOLTAGE (OCV)

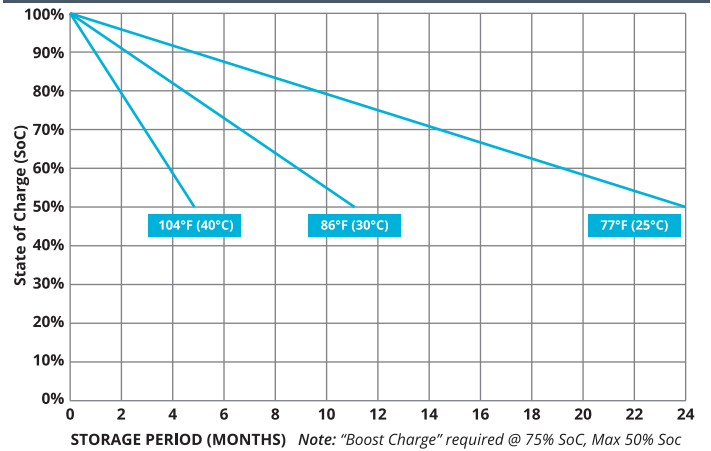


CYCLE LIFE vs DEPTH of DISCHARGE (DOD)

*(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	14.7V	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

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



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)