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DC224-6 GROUP GC2



CYCLING CAPACITY

20 Hour Rate **224 Amp Hours**

RESERVE CAPACITY

Reserve @25 AMPS **441 Minutes** Reserve @75 AMPS **113 Minutes**

ELECTRICAL SPECIFICATIONS

Nominal Voltage	6 Volt
C100	250AH
C20	224AH
C10	194AH
C5	179AH
CCA	900
CA or MCA	1080
HPCA	2000 Amps
Internal Resistance	1.5m Ω

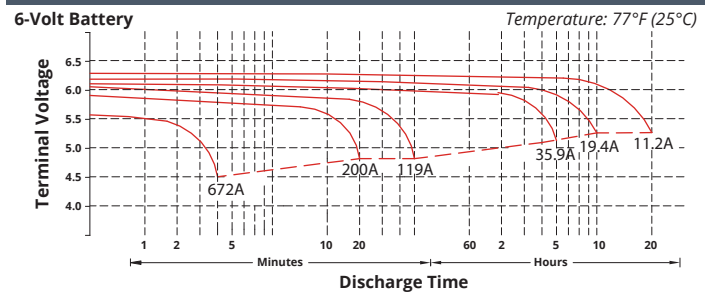
MECHANICAL SPECIFICATIONS

Group Size	GC2	
Terminal Type	M8 with TP08 Brass AP	
Terminal Torque	See reverse side	
Height (w/ terminal)	10.71"	272mm
Height (case only)	9.65"	245mm
Width	7.09"	180mm
Length	10.24"	260mm
Weight	67.9 lbs.	30.8 kg
Case Type	ABS Plastic - Flame Res. Rating UL94-HB	

DISCHARGE TABLE (Constant Current)

Time	Amps	Rate
20hr	11.2	0.05CA
10hr	16.6	0.10CA
8hr	23.5	0.13CA
5hr	35.8	0.20CA
3hr	48.9	0.33CA
2hr	66.1	0.50CA
1hr	119.1	1.00CA

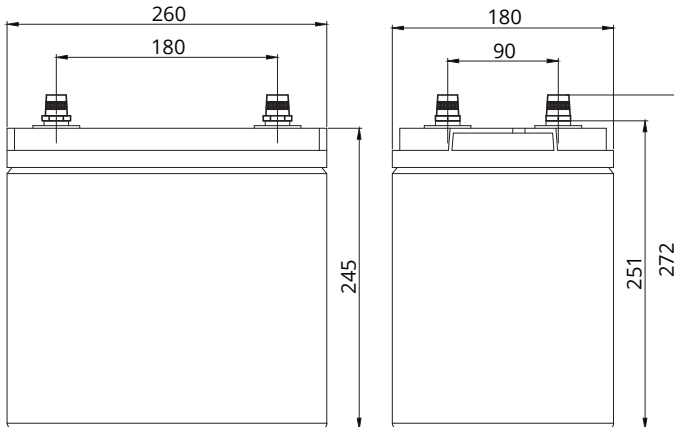
DISCHARGE PROFILE (Constant Current)



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

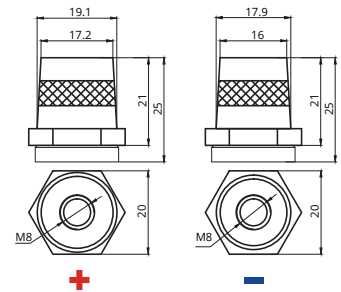
- Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



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

Terminal: M8 with TP08 Brass AP



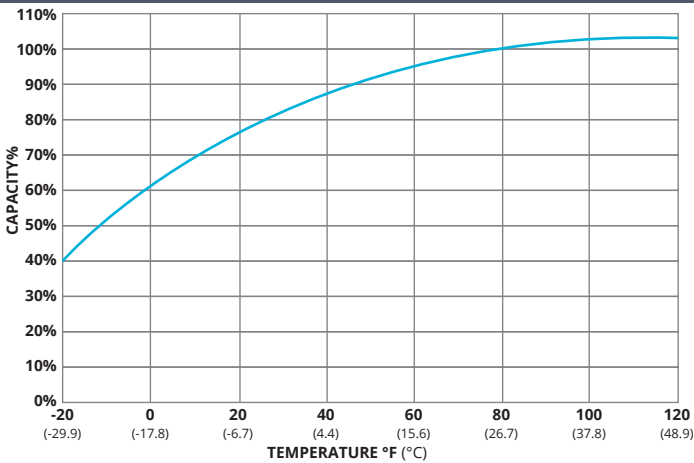
(unit: mm)

Two Great Stores to choose from...

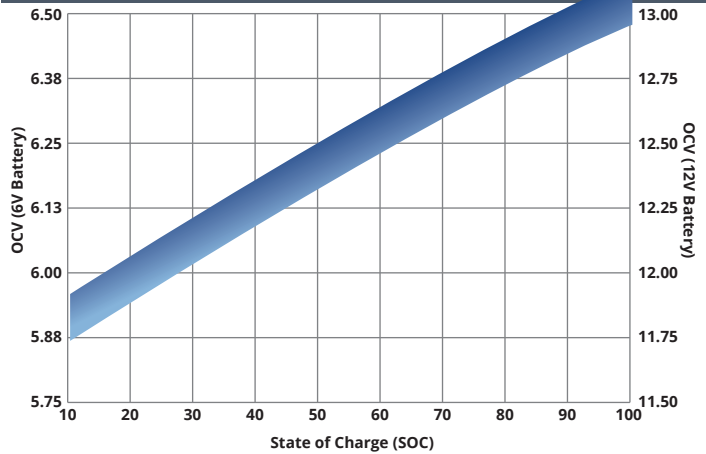
7 Cemetery Rd,
Mackay QLD 4740
Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814
Phone 07 4774 7344

TEMPERATURE vs CAPACITY

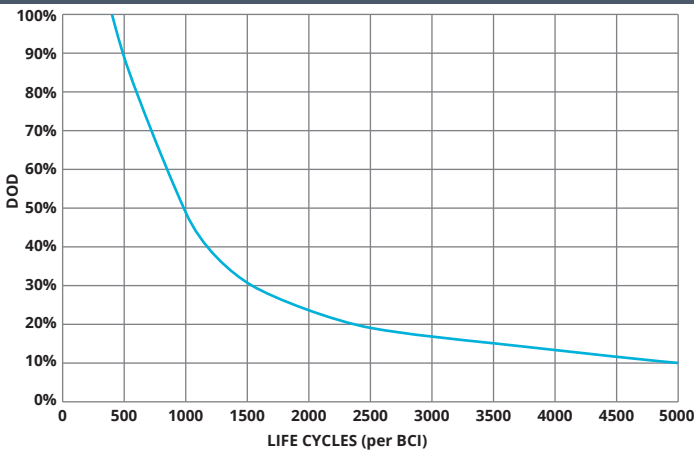


STATE of CHARGE (SOC) vs OPEN CIRCUIT VOLTAGE (OCV)

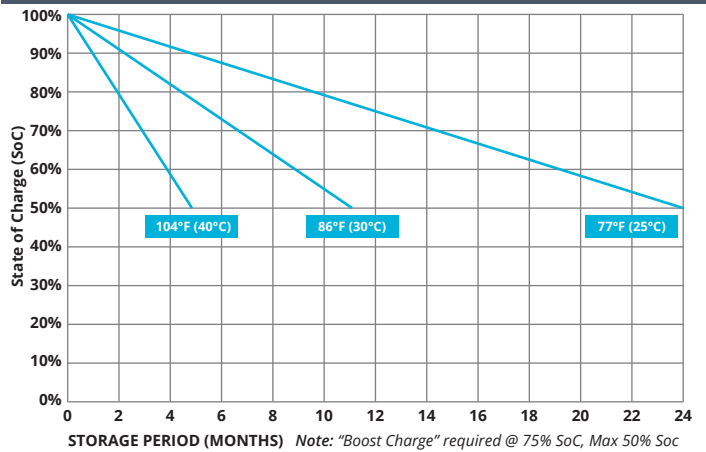


CYCLE LIFE vs DEPTH of DISCHARGE (DOD)

*(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			
	6V	12V	24V	48V
Bulk	7.35V	14.7V	29.4V	58.8V
Absorption	7.35V	14.7V	29.4V	58.8V
Float	6.8V	13.6V	27.2V	54.6V

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

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)
4.1-5.8ft-lbs	7.1-7.9ft-lbs	9.6-12ft-lbs	3.3-4.6ft-lbs	4.9-6.3ft-lbs	7.7-9.6ft-lbs	8.9-12ft-lbs	5.8-7.4ft-lbs	3.3-4.6ft-lbs	50-70ft-lbs
50-70lbs-in	85-95lbs-in	115-141lbs-in	40-56lbs-in	58-75lbs-in	92-115lbs-in	106-150lbs-in	70-90lbs-in	40-56lbs-in	63-83lbs-in
5.6-7.9Nm	9.6-10.7Nm	13-16Nm	4.5-6.3Nm	6.6-8.5Nm	10.4-13Nm	12-16.9Nm	7.9-10.1Nm	4.5-6.3Nm	7.1-9.4Nm

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