

# DC160-12



## CYCLING CAPACITY

20 Hour Rate **160 Amp Hours**

## RESERVE CAPACITY

Reserve @25 AMPS **300 Minutes** Reserve @75 AMPS **82 Minutes**

## ELECTRICAL SPECIFICATIONS

Nominal Voltage	<b>12 Volt</b>
C100	<b>176AH</b>
C20	<b>160AH</b>
C10	<b>142AH</b>
C5	<b>130AH</b>
CCA	<b>910</b>
CA or MCA	<b>1070</b>
HPCA	<b>1500 Amps</b>
Internal Resistance	<b>2.8m Ω</b>

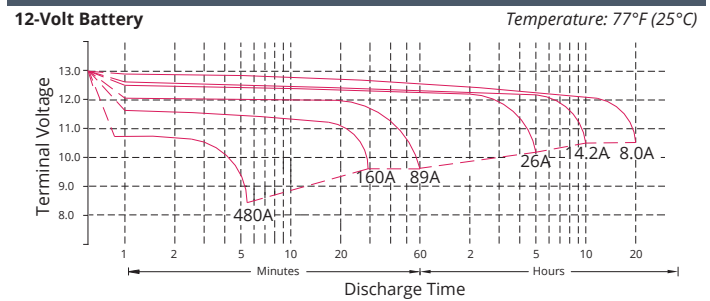
## MECHANICAL SPECIFICATIONS

Group Size	<b>N/A</b>	
Terminal Type	<b>M8</b>	
Terminal Torque	<b>See reverse side</b>	
Height (w/ terminal)	<b>9.49"</b>	<b>241mm</b>
Height (case only)	<b>9.49"</b>	<b>241mm</b>
Width	<b>6.73"</b>	<b>171mm</b>
Length	<b>19.06"</b>	<b>484mm</b>
Weight	<b>100.1 lbs</b>	<b>45.4 kg</b>
Case Type	<b>ABS Plastic - Flame Res. Rating UL94-HB</b>	

## DISCHARGE TABLE (Constant Current)

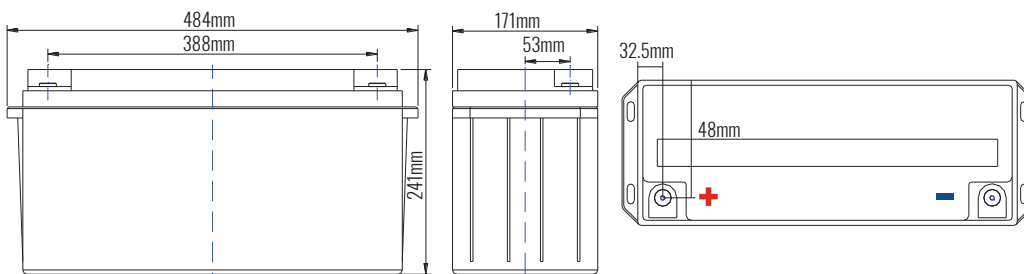
Time	Amps	Rate
20hr	8.0	0.05CA
10hr	14.2	0.10CA
8hr	17.3	0.13CA
5hr	25.6	0.20CA
3hr	34.0	0.33CA
2hr	45.2	0.50CA
1hr	85.3	1.00CA

## DISCHARGE PROFILE (Constant Current)



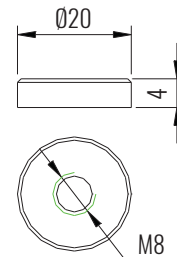
- All listed ratings are @ 100% SoC, T=77°F (25°C), 1.75VPC unless otherwise specified.  
 - Specifications listed are for estimation purposes only. Battery performance can vary depending on application. Battery design subject to change.

## BATTERY & TERMINAL DIMENSIONS (All units shown in mm)



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

### Terminal: M8

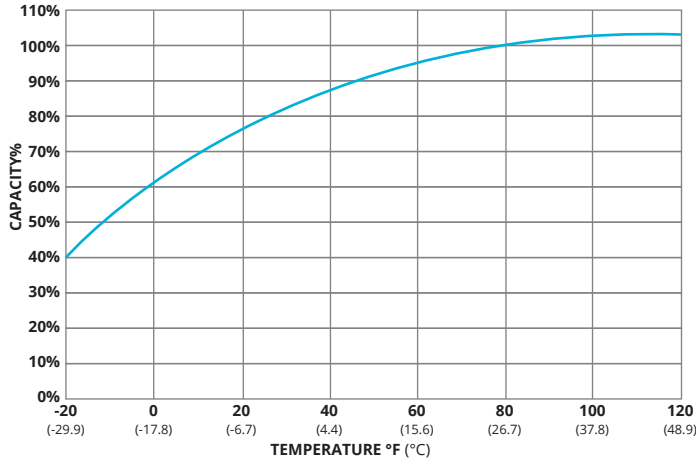
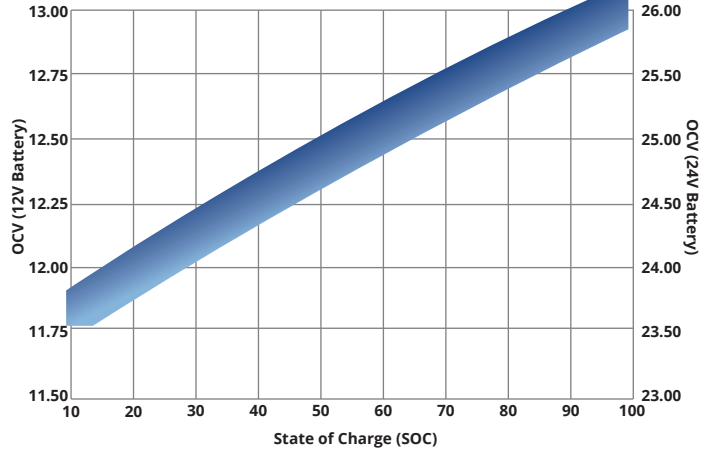
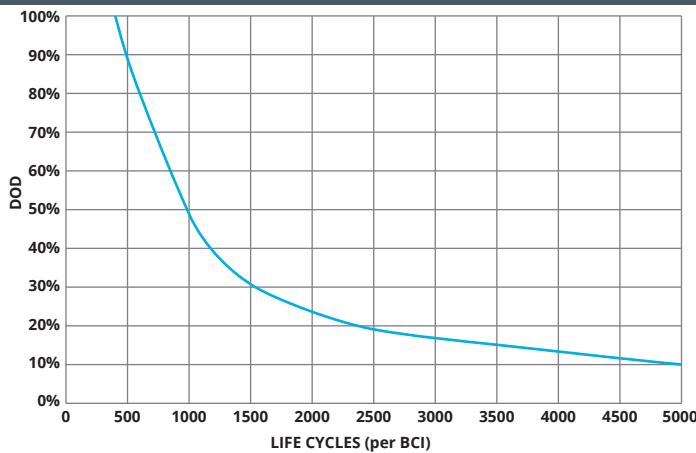
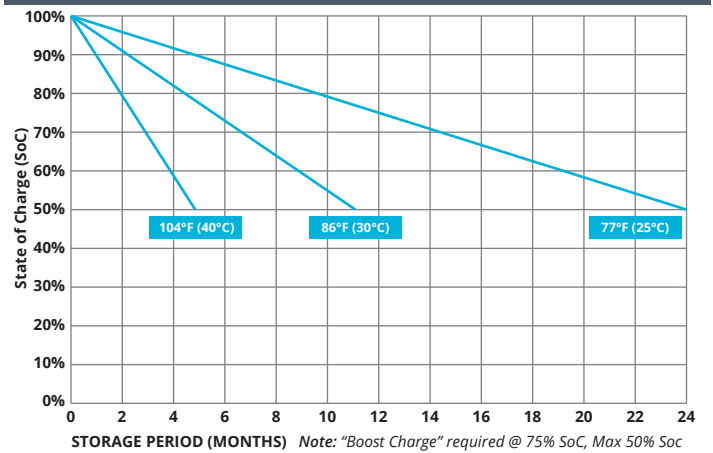


(unit: mm)

## 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			
	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, 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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