

- **TRULY DEEP CYCLE – MAINTENANCE FREE SEALED AGM BATTERY**

- **BCI: DIN**
- **Reserve Capacity [AH @25 amps]: 260**
- **Reserve Capacity [AH @75 amps]: 62**
- **Energy [kWh] (@20 hr rate) : 1.68 (@20hr rate)**
- **Weight: 94.82 lbs**
- **Length: 12.43 in (341 mm)**
- **Width: 6.77 in (172 mm)**
- **Height: 11.38 in (289 mm)**
- **M8**



**The Fullriver Battery DC140-12 AGM is designed to be deeply discharged and recharged hundreds of times.**

Its exceptional design and build shows these benefits and features:

- Sealed, spill-proof, maintenance free construction making it environmentally friendly, non hazardous and ICAO, DOT, IATA, IMDG approved for any kind of transportation
- Compression of highly micro porous, glass mat separators offering a superior contact between the electrolyte and the plate for maximizing capacity
- Extreme Shock and vibration resistance
- ABS fire retardant case



# DATA SHEET

MODEL **DC140-12**  
 VOLTAGE **12V**  
 CAPACITY **140 AH (@ 20hr)**  
 MATERIAL **Polypropylene**  
 BATTERY TYPE **Deep Cycle AGM**

## ELECTRICAL SPECIFICATIONS

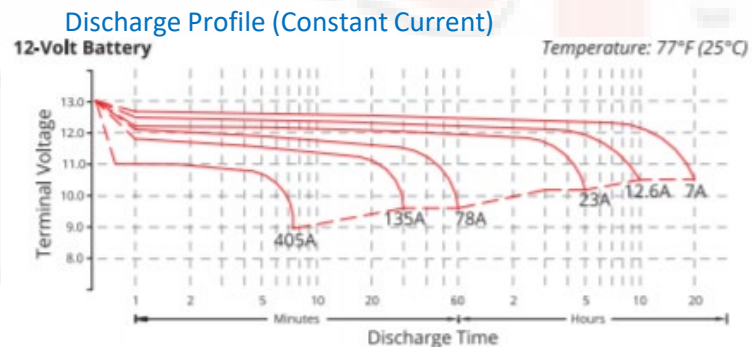
Nominal Voltage	C100	C20	C10	C5	CCA	CA or MCA	HPCA	Internal Resistance
<b>12 Volt</b>	<b>154AH</b>	<b>140AH</b>	<b>126AH</b>	<b>115AH</b>	<b>795</b>	<b>950</b>	<b>1400</b>	<b>3.6 mΩ</b>

## MECHANICAL SPECIFICATIONS

Group Size	Terminal Type	Height (w/ terminal)	Height (case only)	Width	Length	Weight	Case Type
<b>DIN</b>	<b>M8 w/ TP08 Brass AP</b>	<b>11.38"/289mm</b>	<b>10.39"/264mm</b>	<b>6.77"/172mm</b>	<b>13.43"/341mm</b>	<b>94.82 lbs</b>	<b>ABS Plastic</b>

## DISCHARGE TABLE (CONSTANT CURRENT)

Time	20 hr	10 hr	8 hr	5 hr	3 hr	2 hr	1 hr
Amps	7.0	12.6	15.3	22.7	31.8	44.3	76.9
Rate	0.05CA	0.10CA	0.13CA	0.25CA	0.33CA	0.50CA	1.00CA



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## 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 w/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	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)

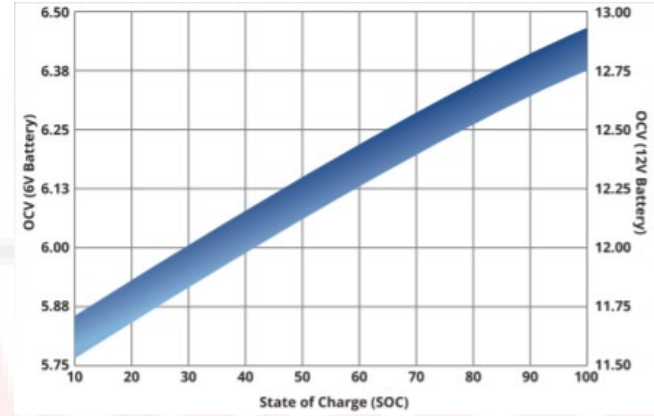
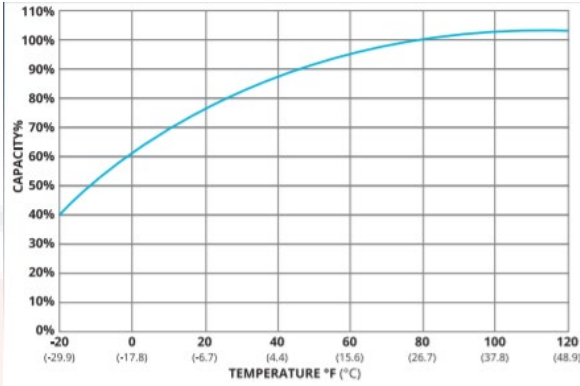
## TERMINAL TORQUE SPECS

Terminal Type	AP, DT (AP), M6, M6M (Stud), TPO7 (AP), TPO8 (AP)	FR45	M8	DT(Stud), M10M (Stud)
Ft-lbs	4.2-6.0	6.0-7.5	7.1-8.0	9.2-10.4
In-lbs	50-70	70-90	85-95	110-125
Nm	5.6-7.9	7.9-10.1	9.6-10.7	12.2-14

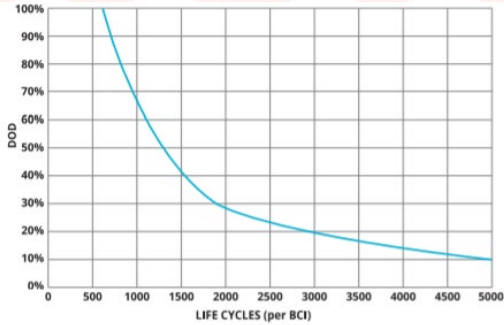


## State of Charge (SOC) vs Open Circuit Voltage (OCV)

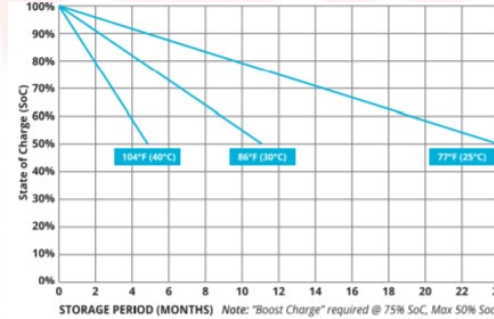
## Temperature vs Capacity



## Cycle Life vs Depth of Discharge (DOD)



## Self Discharge vs Time/Temperature



## Battery & Terminal Dimensions (in mm)

