

MODEL **TR 25.6-25 Li-ion**
 VOLTAGE **25.6V**
 NOMINAL CAPACITY **25Ah (640 Wh)**
 CASE **PC/PBT Resin Blend, IP67 Enclosure, UL94 V-0**
 BATTERY **Deep-Cycle Lithium Iron Phosphate**
 COLOR **Maroon**
 CYCLE LIFE **>5,000 Cycles @ 80% DOD***
 INTELLIGENCE **MOSFETS**



25.6 VOLT

PHYSICAL SPECIFICATIONS

BCI	Model	Terminal Type	Dimensions Inches (mm)			Weight Lbs. ^A (kg)	Handles	Installation Orientation
			Length	Width	Height			
Group U1	TR 25.6 - 25	M6 - 1.0 Threaded Hole	7.8 (198)	5.2 (132)	6.8 (173)	11.7 (5.3)	Molded	Horizontal and Vertical

ELECTRICAL SPECIFICATIONS

Voltage	Capacity Amp-Hours (Ah)			Energy (kWh)	Short Circuit Current (A)
	5-Hr (5A)	10-Hr (2.5A)	20-Hr (1.2A)	20-Hr	
25.6V	25	25	25.5	0.64	Fused at 125 Amps

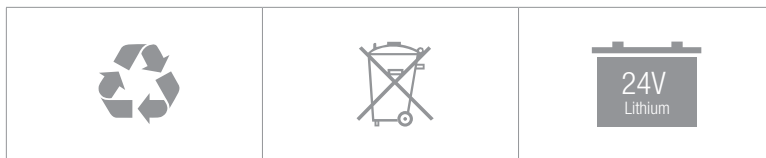
OPERATIONAL DATA

Operating Temperature Range	Storage Temperature Range
-4°F to 140°F (-20°C to 60°C) At Temperatures Below 32°F (0°C) Charging Current Reduced	-40°F to 140°F (-40°C to 60°C)

CHARGING INSTRUCTIONS

Charger Settings	
Recommended Charging Voltage	28.8 - 29.6 V
Recommended Float Voltage	27.6 V
Maximum Charging Current @ Temperature	
> 32° F (0°C)	25 A
14° to 32° F (-10° to 0°C)	3.5 A
-4° to 14°F (-20° to -10°C)	1.2 A

RECYCLE RESPONSIBLY



Do not mix with Lead Acid Batteries when Recycling.

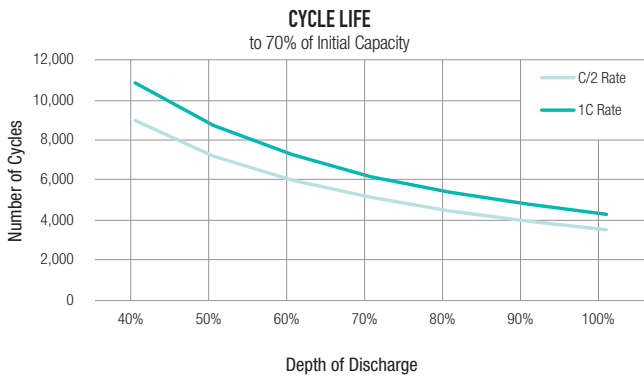
*To 70% of Initial Capacity.

OTHER SPECIFICATIONS

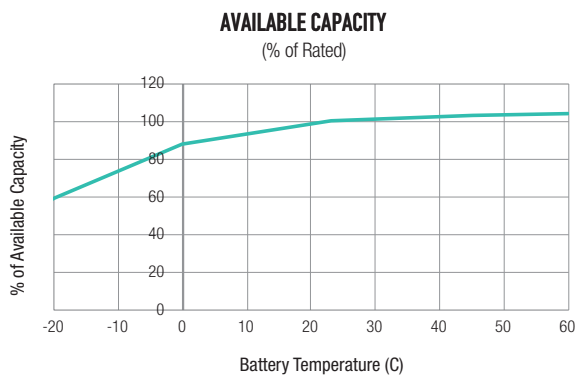
Electrical Features	
Continuous Discharge Current	50 Amps
Pulse Discharge Current @ 77°F (25°C)	70 Amps for 30 Seconds
Communication	N/A
Reserve Capacity @ 25 Amps	60 Min
BMS Protections	Cell-Level Voltage, Temperature, Current
BMS Functions	Cell Balancing
Safety Systems	BMS, MOSFETS
Series Connections	Up to 2S (51.2V)
Parallel Connections	Up to 20P
Discharge Voltage Cutoff	19V ± 5%
Charge Voltage Cutoff	30.4V ± 5% for 5 Seconds
Data Logging	Total Lifetime Amp Hours, Recent Faults
Other Features	
Environmental Protection	IP67
Shipping Classification	UN3480, Class 9, UN38.3 Certified
Case Flame Rating	Non-Flammable UL94 V-0

NOTE: See Trillium User's Guide for Proper Operation.

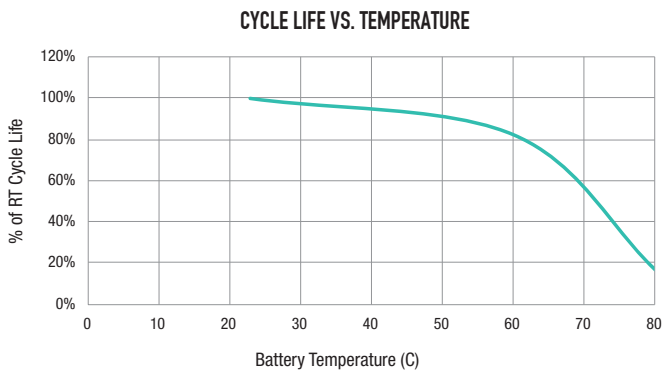
CYCLE LIFE



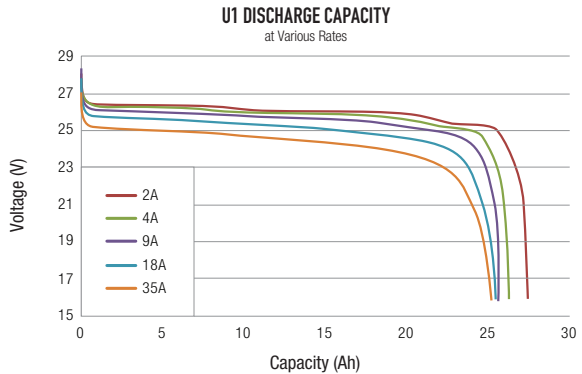
AVAILABLE CAPACITY



CYCLE LIFE VS. TEMPERATURE

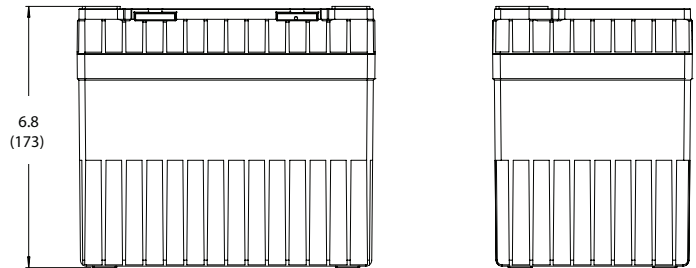
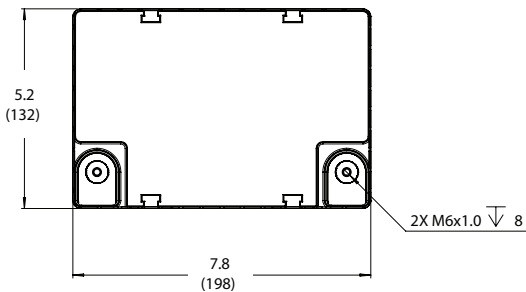


U1 DISCHARGE CAPACITY



BATTERY DIMENSIONS

Dimensions Inches (mm) - shown with M6



TERMINAL CONFIGURATIONS^B

M6

M6 - 1.0 x 8 mm Threaded Hole

SAFETY/AGENCY INFORMATION

Certified to the Following	
UN/DoT 38.3	IEC62133
ROHS Compliant	UL2271 (Q1 2019)*
TUV*	UL1642 (Cells)

*Pending

UN38.3 PASSED TRANSPORTATION SAFETY CERTIFIED

IEC

TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2015 =

A. Weight may vary.
B. Terminal images are representative only.



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TRJN_U1_Lithium_25.6-25_102618_A4

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