

MODEL **TR 25.6-25 Li-ion**
 VOLTAGE **25.6V**
 NOMINAL CAPACITY **25Ah (640Wh)**
 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 **Integrated MOSFETs, Current Sensor, Fuse**



25.6 VOLT

PHYSICAL SPECIFICATIONS

BCI	Model	Terminal Type	Dimensions Inches (mm)			Weight Lbs. ^A (kg)	Handles	Installation Orientation
Group U1	TR 25.6 - 25	M6-1.0 x 8mm Threaded Hole	Length	Width	Height	12 (5)	Molded	Horizontal and Vertical
			7.76 (197)	5.20 (132)	6.74 (171)			

ELECTRICAL SPECIFICATIONS

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

OPERATIONAL DATA

Operating Temperature Range	Storage Temperature Range
-4°F to 140°F (-20°C to 60°C) At Temperatures Below 73°F (23°C) Charging Current Reduced	-40°F to 140°F (-40°C to 60°C)

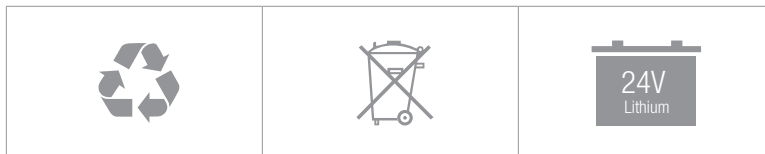
CHARGING INSTRUCTIONS

Charger Settings	
Recommended Charging Voltage	28.8 - 29.6V
Recommended Float Voltage	27.6V
Maximum Charging Current @ Temperature	
>73°F (>23°C)	25A
41° to 73°F (5° to 23°C)	13A
32° to 41°F (0° to 5°C)	4A
14° to 32°F (-10° to 0°C)	1A
-4° to 14°F (-20° to -10°C)	DISCHARGE ONLY

OTHER SPECIFICATIONS

Electrical Features	
Maximum Continuous Discharge Current @ 77°F (25°C)	25A
Maximum Instantaneous Discharge Current @ 77°F (25°C)	70A
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	16V ± 5%
Charge Voltage Cutoff	31.2V ± 5%
Other Features	
Environmental Protection	IP67
Shipping Classification	UN3480, Class 9, UN38.3 Certified
Case Flame Rating	Non-Flammable UL94 V-0

RECYCLE RESPONSIBLY



Do not mix with Lead Acid Batteries when Recycling.

*To 70% of Initial Capacity.

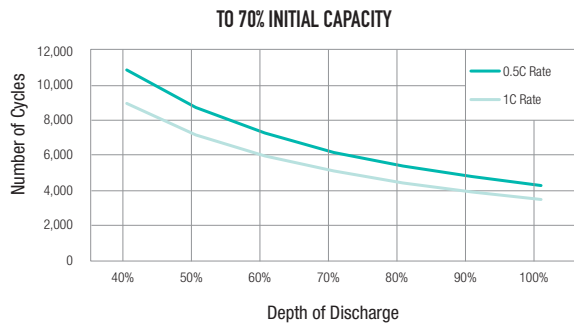


System Considerations

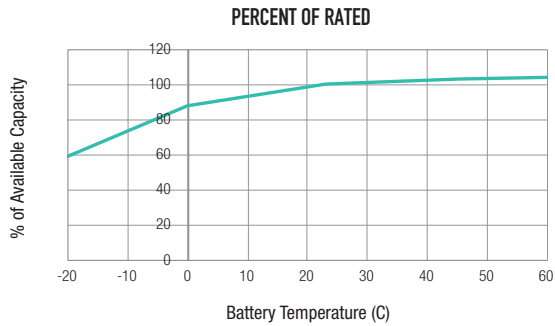
As outlined in the User's Guide, Trillium batteries will automatically shut down under excessive use conditions in order to prevent damage to the battery and connected equipment. This will generally result in total loss of power to equipment. Systems must be implemented to ensure that sudden loss of power does not result in hazardous system behavior.

NOTE: Please refer to the User's Guide, available at www.trojanbattery.com, for important safety-related information.

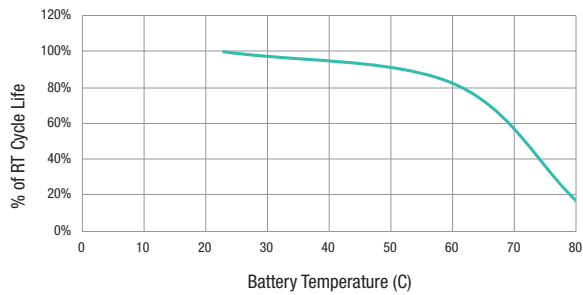
CYCLE LIFE



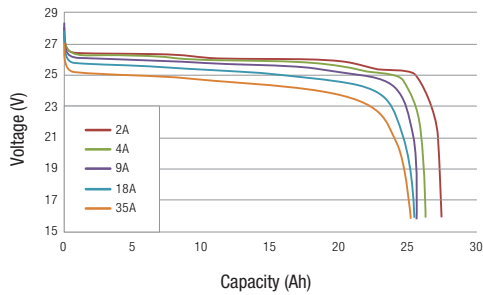
AVAILABLE CAPACITY



CYCLE LIFE VS. TEMPERATURE

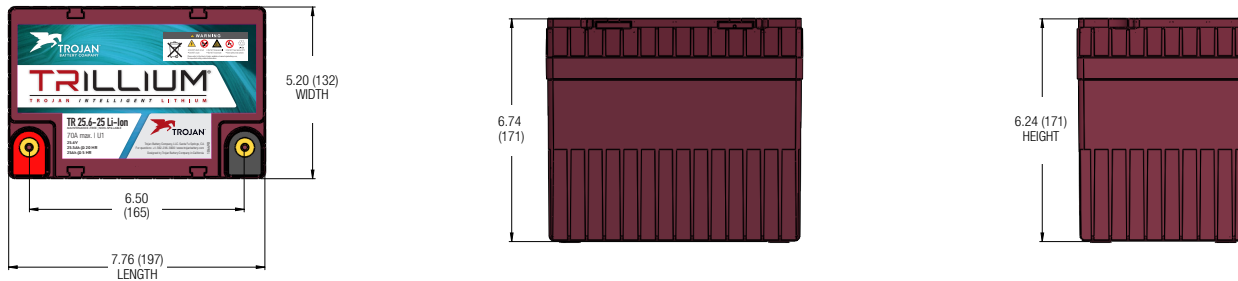


U1 DISCHARGE CAPACITY



BATTERY DIMENSIONS

Dimensions Inches (mm) - shown with M6



TERMINAL CONFIGURATIONS^B



SAFETY/AGENCY INFORMATION

Certified to the Following	
UN/DoT 38.3	IEC 62133
ROHS Compliant	UL 1642 (Cells)



A. Weight may vary.

B. Terminal images are representative only.



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TRJN_Trillium_25.6-25_101619

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