

MODEL **T105-AES**  
 VOLTAGE **6**  
 CAPACITY **207 Ah @ 20Hr**  
 MATERIAL **Polypropylene**  
 BATTERY **VRLA AGM / Non-Spillable / Maintenance-Free**  
 COLOR **Maroon**  
 WATERING **No Watering Required**



**6 VOLT**

**PHYSICAL SPECIFICATIONS**

BCI	MODEL NAME	TERMINAL TYPE	DIMENSIONS ° INCHES (mm)			WEIGHT † LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
			LENGTH	WIDTH	HEIGHT †			
GC2	T105-AES	M8/AP/LT	10.30 (262)	7.06 (179)	10.73 (273)	70 (32)	Embedded	Horizontal and Vertical

**ELECTRICAL SPECIFICATIONS**

VOLTAGE	CRANKING PERFORMANCE		CAPACITY † MINUTES		CAPACITY † AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
	C.C.A. † @0°F	C.A. † @32°F	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
6	-	-	420	113	170	185	207	225	1.35	1.9	3250

**CHARGING INSTRUCTIONS**

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Maximum Charge Current (A)	50% of C <sub>20</sub>				
Absorption Voltage (2.40 V/cell)	7.20	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	6.75	13.50	27.00	40.50	54.00

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

**CHARGING TEMPERATURE COMPENSATION**

ADD	SUBTRACT
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F

**OPERATIONAL DATA**

OPERATING TEMPERATURE	SELF DISCHARGE
-40°F to 140°F (-40°C to +60°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions

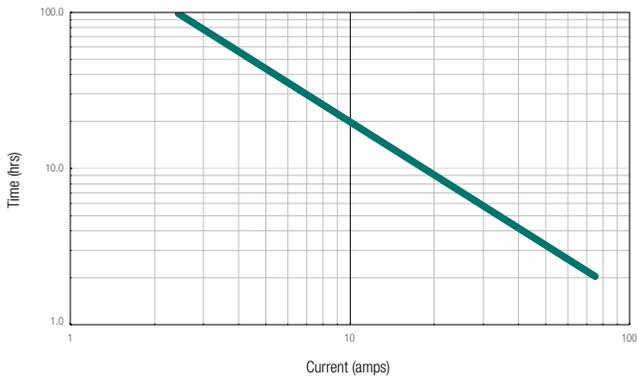
**RECYCLE RESPONSIBLY**



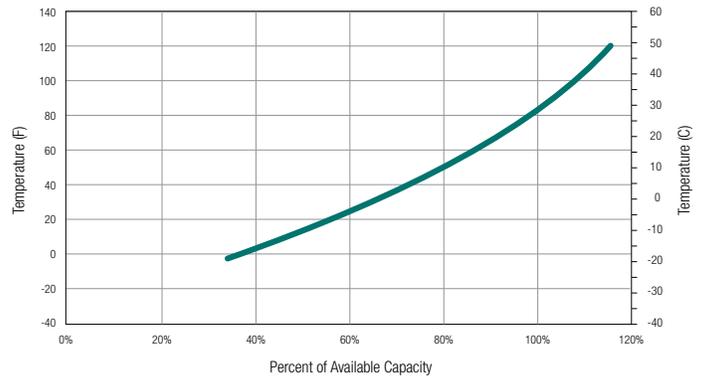
**STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE**

PERCENTAGE CHARGE	CELL	6 VOLT
100	2.14	6.42
75	2.09	6.27
50	2.04	6.12
25	1.99	5.97
0	1.94	5.82

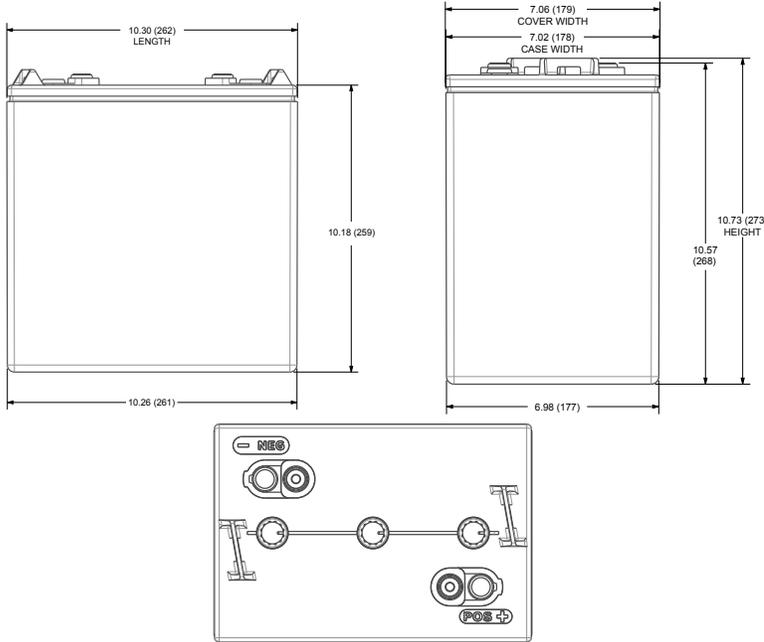
## TROJAN T105-AES PERFORMANCE



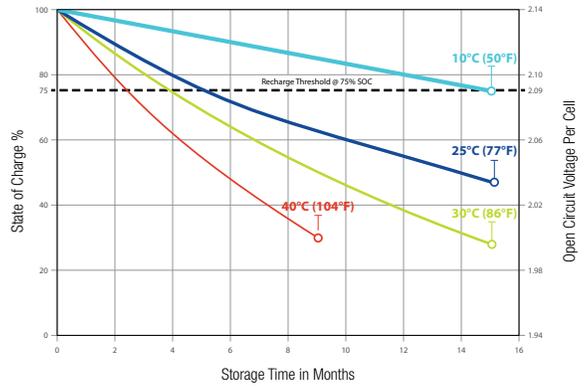
## PERCENT CAPACITY VS. TEMPERATURE



## BATTERY DIMENSIONS (shown with M8)



## SELF DISCHARGE VS. TIME<sup>H</sup>



## TERMINAL TYPE<sup>G</sup>

15	M8	M8
	<b>Battery Height with Terminal in Inches (mm)</b> 10.57 (268)	<b>Torque Values in-lb (Nm)</b> Bolt: 85 – 90 (10 – 11)
15	M8	M8 WITH LT ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)
	<b>Battery Height with Terminal in Inches (mm)</b> 12.07 (307)	<b>Torque Values in-lb (Nm)</b> Connection to M8: 85 – 90 (10 – 11) Connection to LT: 65 – 75 (7.5 – 8.5)
	<b>Bolt Size</b> M8 x 1.25	

15	M8	M8 WITH AP ADAPTER (ADAPTER PROVIDED BUT NOT INSTALLED)
	<b>Battery Height with Terminal in Inches (mm)</b> 11.41 (290)	<b>Torque Values in-lb (Nm)</b> Connection to M8: 85 – 90 (10 – 11) Connection to AP: 50 – 70 (6 – 8)



AUTHORIZED DISTRIBUTOR

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