

# TERRA SUPREME BATTERY

## GROUP 31

### SPECIFICATIONS

Nominal Voltage .....	12 V
Nominal Capacity .....	105 Ah
Nominal Dimensions:	
Length .....	13.00" (330.2 mm)
Height Overall.....	9.44" (239.7 mm)
Width.....	6.80" (172.7 mm)
Weight.....	68 lbs. (30.9 kg)
Terminal .....	Dual Terminals:
SAE and 3/8 x 16 Positive; 5/16 x 16 Negative	
Specific Energy C <sub>20</sub> .....	41 (Wh/kg)
Internal Impedance	
@100% SoC .....	1.3 m Ω
Maximum Short Circuit Current.....	>5500 A
Cycle Life:	
60% DOD .....	4000*
PSOC, 5% Capacity @ 50% SoC .....	>10,000,000*
Cranking Power (30 Seconds)	
0° F (-18° C) CCA.....	1350 A
32° F (0° C) MCA.....	1800 A
80° F (27° C) PHCA.....	>3000 A
Reserve Capacity	
BCI: 25 A @ 80° F (27° C).....	240 min
Temperature Limits	
Storage .....	-40° F to 140° F (-40° C to 60° C)
Operating .....	-40° F to 140° F (-40° C to 60° C)
Recommended Charge	
Algorithm .....	CI, CV to I ≤ 1 A
Voltage Clamp @ 80° F (27°).....	14.5 – 14.8 V
Float Voltage 80° F (27° C).....	13.4 V
Recommended Min In-Rush .....	25 A
Recommended Max In-Rush .....	Unlimited A
Storage Charging Interval.....	OCV ≤ 12.5 V
Temperature Compensation .....	+/- 0.030 V / °C from 27° C

Specifications subject to change without notice.



- ◆ TSB Group 31 batteries deliver industry-leading power and energy per pound and cycle life.
- ◆ Unique bipolar, composite grid delivers millions of PSOC cycles—perfect for stop-start service.
- ◆ Advanced materials and cell construction eliminate conventional lead-acid battery failure modes.
- ◆ Meets or exceeds most Consortium for Battery Innovation 2025 goals.

### PRODUCT SCHEMATIC

