

# EnergyCell™ TT Series

## Renewable Energy Top Terminal Battery



- Ideal use for backup or light duty cycling applications
- 500 cycles @ 50% DoD @ 25°C
- Advanced AGM technology provides high capacity retention for non-temperature controlled applications
- 12 year standby life at 25°C
- 12 month shelf life at 25°C
- BCI Group sizes 27 and 31 available

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**The EnergyCell™ TT Series is a line of top terminal 12VDC VRLA AGM batteries for use in backup or light duty cycling applications.**

The EnergyCell TT battery is built with virgin lead-alloy grids technology minimizing corrosion and maximizing life expectancy. These batteries are tolerant to extreme operating temperatures compared to general purpose VRLA AGM batteries. In addition, EnergyCell TT energy storage requires no periodic watering and at the end of life, batteries are 99% recyclable.

# EnergyCell™ TT Series Specifications

Model:	106TT	115TT
Cells per Unit	6	6
Nominal Voltage	12VDC	12VDC
Cycle Life (50% DoD)	500 cycles	500 cycles
Absorb Voltage (25 °C)	14.4 to 15VDC	14.4 to 15VDC
Absorb Time	3.5 hours	3.5 hours
Float Voltage (25 °C)	13.5 to 13.8VDC	13.5 to 13.8VDC
Float Time	24/7	24/7
Equalize Voltage & Frequency	15VDC for 16 hours every 2 months or 25 cycles	15VDC for 16 hours every 2 months or 25 cycles
Re-Bulk Voltage	12VDC	12VDC
Max Charge Current (per Battery)	30ADC	33ADC
Max Operating Temperature	-40 to 60 °C	-40 to 60 °C
Temp-Comp Factor (Charging)	±3.3mV per degree °C per battery cell (2V)	±3.3mV per degree °C per battery cell (2V)
Self Discharge Time	12 months at 25 °C (77 °F) before a freshening charge is required	12 months at 25 °C (77 °F) before a freshening charge is required
Terminal Type	Threaded alloy insert terminal to accept M6 × 20mm bolt	Threaded alloy insert terminal to accept M6 × 20mm bolt
Terminal Hardware Torque	44.9 in-lbs (5.1 N-m)	44.9 in-lbs (5.1 N-m)
Warranty	1 year	1 year
Weight (lbs/kg)	66.56 / 30.20	75.38 / 34.20
Case Size	27	31
Dimensions H × L × W (in/mm)	8.41 × 12.78 × 6.65 / 213.6 × 324.7 × 169.0	8.54 × 13.50 × 6.69 / 216.9 × 343.0 × 170.0
Accessories	Ships with hardware	Ships with hardware

Discharge in Hours:	12V Ampere Hour Capacity to 1.75 Volts Per Cell @ 77 °F (25 °C)										
	1	2	3	4	5	8	10	20	24	48	100
EnergyCell 106TT	65.5	75.2	80.7	84	86.5	90.4	94	100	101.2	104.6	106
EnergyCell 115TT	81.7	91	96.3	100	99	104	105	112	111.3	115.2	117

