

# Lion Energy UT 3500 BT-H Lithium Battery Datasheet

<b>Chemistry</b>	Lithium (LiFePO4)
<b>Voltage</b>	12.8 Volts
<b>Capacity (20-hour rate)</b>	280Ah
<b>Energy</b>	3584Wh
<b>Max. Continuous Discharge</b>	150 Amps
<b>Max. 50-Second Discharge</b>	280 Amps
<b>Charging Voltage</b>	14.6V Max
<b>Recommended Charging Current</b>	45 Amps
<b>Max Charging Current</b>	140 Amps
<b>Terminals</b>	M8 Connections
<b>Length</b>	13.85" (352 mm)
<b>Width</b>	7.64" (194 mm)
<b>Height</b>	12.85" (326 mm)
<b>Weight</b>	72.31 lbs (32.8 kg)
<b>Low Voltage Cut-Off</b>	10.5 Volts
<b>Discharge Over-Current Protection</b>	>280A for >50 seconds
<b>Discharge Temp Range</b>	-4°F - 131°F
<b>Charging Temp Range</b>	32°F - 113°F
<b>Storage Temp Range</b>	14°F - 95°F
<b>Heater "On" Temp</b>	32°F (0°C)
<b>Heater "Off" Temp</b>	41°F (5°C)
<b>Series Connections</b>	Up to 4 (48V)
<b>Parallel Connections</b>	Up to 4 (1,120Ah)
<b>Cycle Life</b>	3,500+ cycles @ 100% DOD
<b>Internal Resistance</b>	≤2mΩ
<b>Certifications</b>	IP65, FCC, UL 1642, RoHS, CE
<b>UPC</b>	858311007917

Information sourced from lionenergy.com May 2026 and is subject to change.

