



## Datasheet

### LIONTRON HighCurrent 12.8V 80Ah / CCA 1200A

#### High current capable lithium battery.

#### Drop-In replacement for lead batteries.

Liontron HighCurrent Batteries are high current capable lithium batteries as full 12V lead battery replacement. The battery was designed as a high-end solution for applications where extremely high currents are required for short periods of time, e.g. for use with bow thrusters..

Compared to lead batteries, it offers a significant weight reduction, enormous energy reserves and stable voltage even under extreme loads. Despite the extremely light weight and compact design, the battery easily delivers a short-term current output of up to 1200A.

Our batteries are based on lithium iron phosphate technology (LiFePO4). This is currently the safest lithium technology. The integrated BMS constantly monitors the status of the individual cells and protects them against overcharge, overvoltage and overtemperature, among other things.



<b>Model</b>	LTLIFE1280S
<b>EAN / GTIN</b>	4260586370362
<b>Rated capacity</b>	80Ah / 1024Wh
<b>Voltage range</b>	11.0 .. 14.6V
<b>Rated voltage</b>	12.8V
<b>Cycle life</b>	≥3000 @90% DoD
<b>Charge characteristic</b>	CCCV / IU
<b>Bulk voltage</b>	14.2 – 14.6V
<b>Float voltage</b>	13.5 – 13.8V
<b>Recommended max. charge current</b>	50A
<b>Max. charge current</b>	120A
<b>Max. discharge current</b>	400A
<b>Pulse discharge current CCA (≤20Sek.)</b>	1200A
<b>Battery Management System</b>	integrated
<b>Monitoring</b>	Bluetooth not available
<b>Temperature (discharge)</b>	-20°C .. +60°C
<b>Temperature (charge)</b>	-20°C .. +45°C
<b>Temperature (storage)</b>	-40°C .. +60°C
<b>Terminal</b>	normal- / round pole
<b>Terminal arrangement</b>	Positive terminal right
<b>Warranty</b>	2 years manufacturer warranty
<b>Dimensions (L x W x H) in mm</b>	287 x 189 x 190
<b>Weight</b>	11.5 kg