

STRIDENT⁺

BATTERIES

LT12-7 12v 7amp



Electrical Characteristics

- **Nominal Voltage:**
12.8V
- **Rated Capacity (77° F / 25 ° C)**
12Ah @0.5C
- **Circuit Protection**
Over Charge, Over Discharge, Over Current, Over Temperature, Short, Balance
- **Cycle Life**
3000 times Cycles @ 100%DOD and 6000 times @ 80% DOD
- **Monthly Self Discharge**
Less than 3%
- **Efficiency of Charge**
100% @ 0.2C
- **Efficiency of Discharge**
98-100% @ 1C

Charge

- **Output Charging Voltage:**
14.4 ± 0.2V
- **Standard Current Charge**
1.6A
- **Max. Charge Current**
4A

Discharge

- **Standard Discharge Current**
1.6A
- **Max. Continuous Current**
10A
- **Discharge Cut-Off Voltage**

Environmental Conditions

- **Charge Temperature**
0° C - 55° C
- **Discharge Temperature**
-20° C - 60° C
- **Charge Temperature**
-20° C - 45° C

@60 ± 25% Relative Humidity

Key Features

- **Longer Cycle Life**
Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimise replacement cost and reduce cost of ownership.
- **Lighter Weight**
Around 40% of the weight if a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power**
Delivers twice the power of lead acid batteries and an even higher discharge rate while maintaining high energy capacity.
- **Wider Temperature Range**
-20° C -60° C
- **Superior Safety**
Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation
- **Increased Flexibility**
Modular design enables deployment of up to four batteries in series and up to six batteries in parallel.



Strident

50 Turbine Way, Eco Tech Business & Innovation Park, Swaffham, Norfolk, PE37 7XD
Tel: +44 (0)1362 300102 | Fax: +44 (0)1362 300103 | Email: sales@strident.uk.com

STRIDENT
INNOVATIONS

www.strident.uk.com

STRIDEN⁺

BATTERIES

LT12-7 12v 7amp

Dimensions

151 * 65 * 91mm

Case / IP Class

Plastic Case / IP65

Terminal

F1

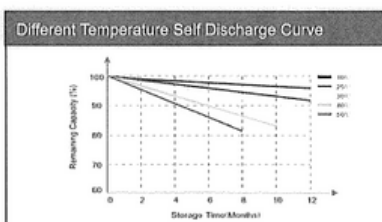
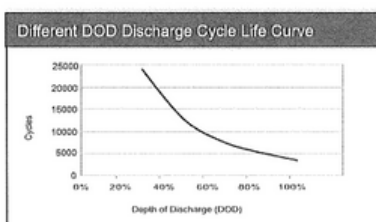
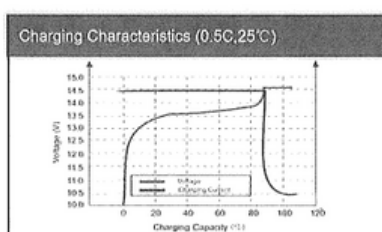
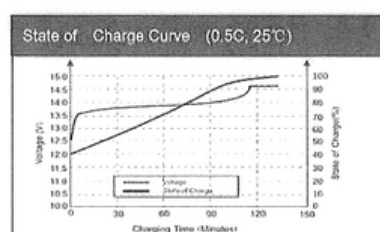
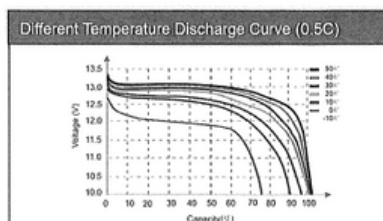
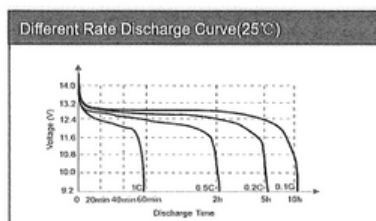
Total Weight

0.8 ± 0.1KG

Extended Functions

Power Switch, SOC Indicator, USB, Communications (CANBUS, Bluetooth, SMBUS, RS485, RS232, UART, I2C)

Battery Characteristics



STRIDEN⁺
INNOVATIONS

www.strident.uk.com

Strident

50 Turbine Way, Eco Tech Business & Innovation Park, Swaffham, Norfolk, PE37 7XD
Tel: +44 (0)1362 300102 | Fax: +44 (0)1362 300103 | Email: sales@strident.uk.com