



## Lithium Iron Phosphate (LiFePO4) Battery Datasheet

Model: LS72105PRO 76.8V 105Ah



### UNIQUE FEATURES

- High charging/discharging current (105A)
- Waterproof IP67
- Battery monitor kit included
- Pre-heat system: charging temperature -20°C +60°C

### ELECTRICAL CHARACTERISTICS

Nominal Voltage	76.8V
Nominal Capacity	105Ah
Energy	8.64Wh
Cycle Life	>3000 cycles @80%DOD >6000 cycles @50%DOD
Internal Resistance	≤20mΩ
Charge Efficiency	100% @0.5C
Discharge Efficiency	96~99% @1C
Self Discharge Rate	<3% per month

### CHARGE / DISCHARGE

Charge Voltage	87.6V Max
Rec. Charge Current	20A
Max. Charge Current	105A
Charge Mode	CC/CV
Max Continuous Discharge Current	100A
Max Peak Discharge Current	350A (30s)
Discharge Cut-off Voltage	63V

### ENVIRONMENTAL @60±25% Relative Humidity

Charge Temperature	0°C ~ 45°C (32F ~ 113F)
Discharge Temp.	-20°C ~ 60°C (-4F ~ 140F)
Storage Temp.	0°C ~ 40°C (32F ~ 104F)

### MECHANICAL

Battery Case	Metal
Dimensions (mm)	740x320x246mm
Weight (kg)	73kg
Communication	CAN
State Of Charge	Display LED (included)
Cells	3.2V 105Ah LiFePO4 Prismatic EVE Grade A
Waterproof rating	IP67

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LITIO STORE SRL  
 VAT Nr.: IT-03894170541, Telefono: +39 3884463884  
 Via G.Matteotti, 4B (sede legale: via Giotto, 2) - 06028 - Sigillo  
 (PG) Italy  
 Iscrizione al Registro Pile e Accumulatori IT21020P00006758