

PERFORMANCE SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	26 Ah (C5,25C)
Energy	332.8 Wh
Internal Resistance	≤40mΩ
Cycle Life	>5000 @50%DOD >3000 @80%DOD >2000 @100%DOD
Months Self Discharge	<3%
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C

CHARGE SPECIFICATIONS

Charge Voltage	14.6 ± 0.2V
Charge Mode	0.2C to 14.6V, then 14.6V, charge current to 0.02 (CC/CV)
Charger Current	20A
Max. Charge Current	30A
Charge Cut-off Voltage	15.6V ± 0.2V

DISCHARGE SPECIFICATIONS

Continuous Current	30A
Max. Pulse Current	40A (<3s)
Reserve Capacity @25A	62.4 min
Reserve Capacity @50A	31.2 min
Discharge Cut-off Voltage	10V

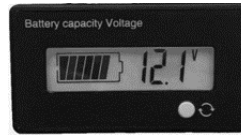
MECHANICAL SPECIFICATIONS

Plastic Case	ABS
Dimensions (Length x Width x Height)	6.50 x 6.88 x 5.00 in. (165 x 175 x 127 mm)
Weight (lbs./kg.)	9.26lbs(4.2 kg)
Terminal	M5
Protocol (optional)	SMBus/RS485/RS232
SOC (optional)	LED

ENVIRONMENTAL SPECIFICATIONS

Charge Temperature	0C to 45C (32F to 113F) @60±25% Relative Humidity
Discharge Temperature	-20C to 60C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0C to 40C (32F to 104F) @60±25% Relative Humidity
Water Dust Resistance	IP56

Replaces battery type
PS-12260 / UB12260



Standard SOC Meter



POWERSYNC Energy Solutions has developed a large selection of small form Lithium Iron Phosphate (LiFePO4) batteries which are specifically designed as drop in replacements for standard BDI Group Size lead acid batteries and battery banks.

LiFePO4 batteries represent an advancement in safety due to cell design with advanced battery management systems including under and over voltage, over discharge, over current, over temperature, and short circuit protections which ensures safe and efficient operation.

Features

Longer Cycle Life: Offers a significant longer cycle life and longer float/calendar life than lead acid batteries helping to minimize replacement cost and reduce total cost of ownership. LiFePO4 batteries are designed for 8,000 Cycles at 30% DOD, 5,000 Cycles at 50% DOD, and 3,000 Cycles at 80% DOD. These batteries offer a significant longer cycle life and longer float/calendar life than lead acid batteries while helping to minimize replacement cost and reduce total cost of ownership.

Higher Power: Delivers twice the power of lead acid batteries, even high discharge rate, while maintaining high energy capacity.

BMS Protection: Under/Over voltage and current protection ensuring safe and efficient operation.

Charging: Designed to work with AGM chargers.

Safety: Advanced LiFePO4 cell design includes various safeguards including high temp thermal fuse, flame retardant additive and pressure relief valves.

Increased Flexibility: LiFePO4 batteries are a drop-in replacement of lead acid batteries. Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

SoC / Fuel Gauge: Optional LED state of charge display available.

Ultra Low Self Discharge Curve: <1% per month

