

# iCAN<sup>®</sup> Stackable Lithium Battery

QUICK INSTALLATION, BETTER PERFORMANCE



## QUICK INSTALLATION

- **Firm stack-up structure:** ensure safety and saving in space
- **Modular design + quick coupler** for future capacity expansion

## INTELLIGENT MONITOR

- **Ships with EMS module to realize real-time APP monitor** of battery: charge/discharge current, SoC, voltage, cycles, etc.

## AUTOMATIC VOLTAGE WAKEUP

- **Automatic sleep and wakeup modes:** NO human intervention required

## LONGRUN COST EFFICIENCY

- **SAVING at least 20%** than lead-acid batteries in \$/kWh performance

## BUILT-IN BMS

- **All-round protections** for safety, reliability and endurance

## BETTER PERFORMANCE

- **At least 5000 cycles (about 15yrs) at 80% DoD**

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UPGRADED INSTALLATION, BETTER PERFORMANCE

<b>Cell Chemistry</b>	Lithium iron phosphate (LiFePO <sub>4</sub> )
<b>Nominal Voltage</b>	51.2V
<b>Nominal Capacity</b>	108Ah
<b>Nominal Energy</b>	5530Wh
<b>Internal Resistance</b>	≤200mΩ
<b>Life Cycle</b>	>5000 cycles@0.5C 80% DoD
<b>Monthly Self Discharge</b>	<3%
<b>Efficiency of Charge</b>	99% @0.5C
<b>Efficiency of Discharge</b>	96~99% @1C
<b>Charge Voltage</b>	56.8V
<b>Charge Current</b>	54A
<b>Max. Charge Current</b>	100A
<b>Charge Cut-Off Voltage</b>	57.6V(configurable)
<b>Discharge Current</b>	54A
<b>Max. Discharge Current</b>	100A
<b>Discharge Cut-Off Voltage</b>	48V(configurable)
<b>Charge Temperature</b>	0°C to 45°C @60±25% relative humidity
<b>Discharge Temperature</b>	-20°C to 60°C @60±25% relative humidity
<b>IP Rate</b>	IP20
<b>Weight</b>	128lbs / 58kg
<b>Dimensions (W * H * D)</b>	17.3in*7.5in*20.9in / 440mm*190mm*530mm
<b>Terminal</b>	ANDERSON-120A Gray
<b>Communication</b>	RS485
<b>Parallel</b>	Up to 16
<b>Protection</b>	Over current / over temperature / over voltage / under voltage
<b>Wakeup</b>	Automatic voltage activation External 12VDC power source can be used to wakeup BMS after severe overdischarge.



POWER THE WORLD FOR FREE.