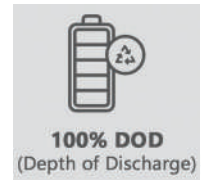
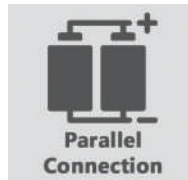
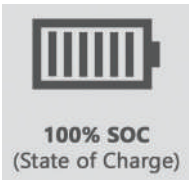


**51.2V 161Ah (8.24kWh)**

## IPI Lithium-Ion LiFePO4 battery with built-in CATL Cell and versatile mounting options



**IPI Lithium-Ion LiFePO4 battery is a revolutionary compact design achieves market-leading energy density and is easy to install, enabling owners to quickly realize the benefits of reliable, clean power.**

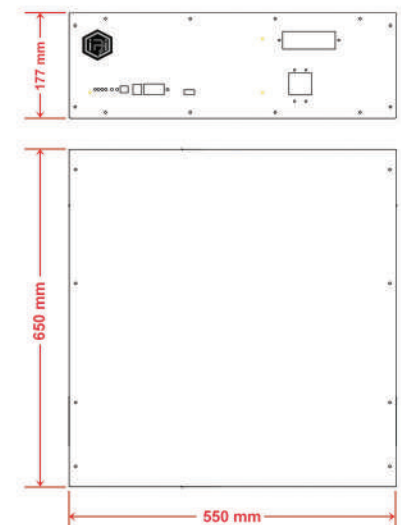
The IPI Li-Ion LiFePO4 rack mount series offers an ease-of-install, aesthetics, and performance that is unmatched in residential batteries. Its rechargeable lithium-ion battery pack provides energy storage for solar self-consumption and backup. The rack mount series has a built-in BMS battery management system, which can manage and monitor cell's information including voltage, current and temperature. What's more, the BMS can help extend the cycle life by balancing cells during charging and discharging. Multiple battery stacks are allowed to be connected in parallel to expand capacity and power to meet the requirements of longer power supporting duration and higher power consumption.

### PERFORMANCE SPECIFICATIONS

<b>Nominal Voltage</b>	51.2V
<b>Cell Type &amp; Connection</b>	LFP 50Ah, 2P16S
<b>Nominal Capacity</b>	161Ah
<b>Total Energy</b>	8.24kWh
<b>Maximum Charging Current</b>	100A
<b>Charging Voltage</b>	55.2V~58.4V
<b>Maximum Discharging Current</b>	100A
<b>End of Discharge Voltage</b>	44.8V
<b>Communication Interface</b>	RS232, RS485
<b>Life Cycle</b>	>3500
<b>Certifications</b>	UN38.3, CE
<b>Protection</b>	Over/Low Voltage, Over Current Over/Low Temperature, Short Circuit

### MECHANICAL SPECIFICATIONS

<b>Dimensions</b>	550x650x177 (mm)
<b>Weight (WxDH)</b>	51Kg

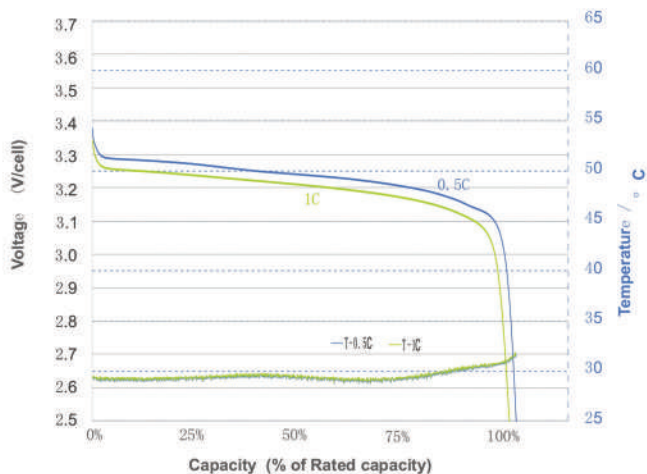


### ENVIRONMENTAL SPECIFICATIONS

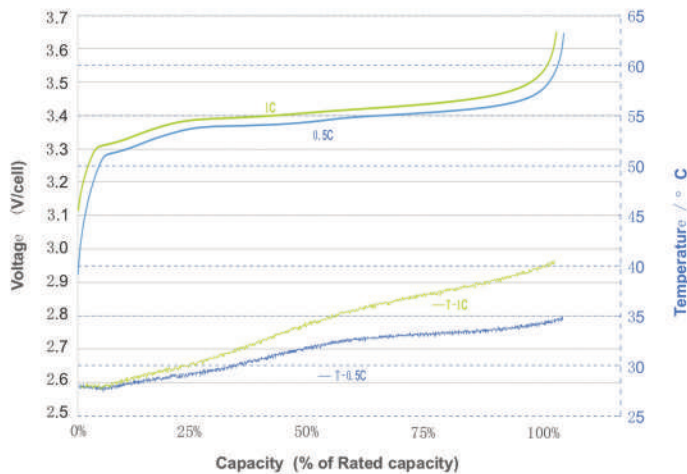
<b>Operating Temperature Range</b>	Charge: 0 ~ +50 °C ; Discharge: -20 ~ +55 °C
<b>Operating Humidity</b>	0-95 %RH (No Condensing)
<b>Protection Class</b>	IP20



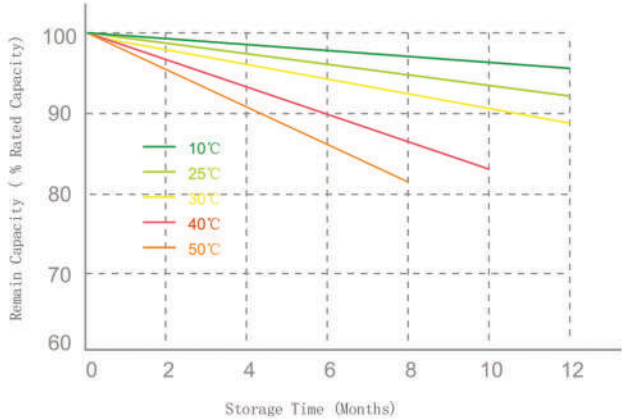
Different Discharge Rate and Temperature Characteristic



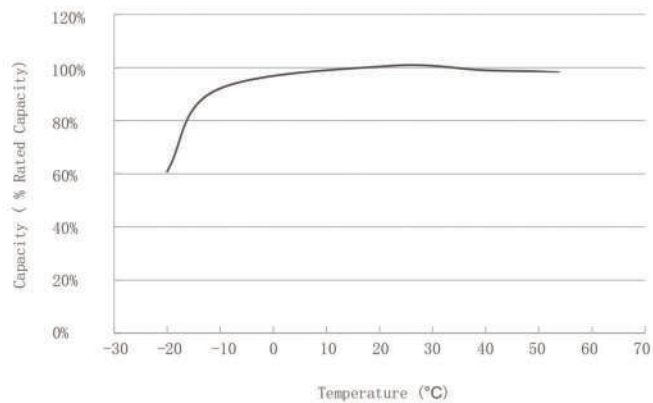
Different Charge Rate and Temperature Characteristic



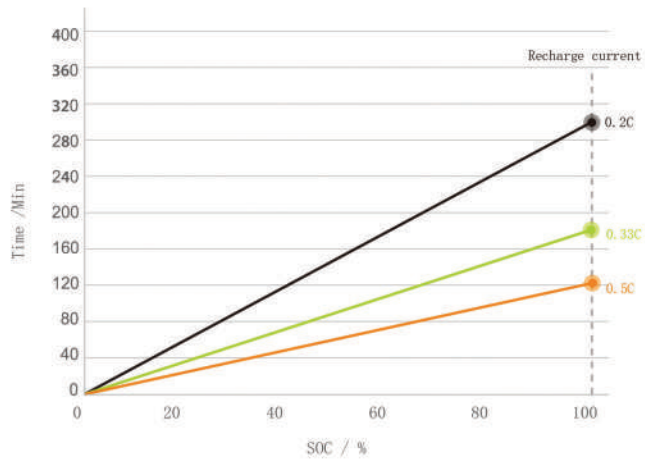
Different Temperature Self Discharge Curve



Capacity with Different Temperature



Typical Recharge Time



Typical Cycle Life

