



IZON® — S-25000B

Solar Lithium-Ion Battery Pack

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™

Key Features

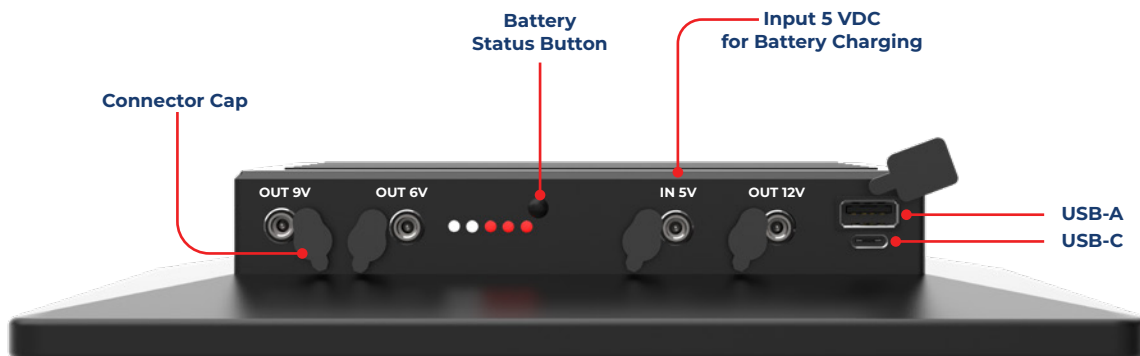
- ✓ High Capacity Rechargeable Li-ion Battery
- ✓ 25,000mAh Energy Charge
- ✓ NEMA 6 Enclosure
- ✓ Superior Monocrystalline Silicon Panel Cells
- ✓ Lightning-resistant Circuitry Protection
- ✓ Rapid Charging
- ✓ No internal Wiring required
- ✓ Wall Mount | Pipe Mount



Power up under the sun with our Solar Battery Pack!

The S-25000B is an industrial-grade solar-powered battery pack engineered for remote sensor deployments. Its 25,000mAh Li-ion cell delivers stable DC output across a wide operating temperature range, while the integrated monocrystalline silicon panel ensures efficient energy harvest in varying light conditions. Designed to IP66 and NEMA 6 ingress protection standards, the unit is built for long-term outdoor operation with minimal maintenance.

The system's rapid charge architecture minimizes solar input requirements, reducing dependency on peak sunlight hours. Overvoltage, short-circuit, and lightning-resistant protection circuits safeguard both the battery and connected equipment, ensuring system integrity in electrically demanding environments.





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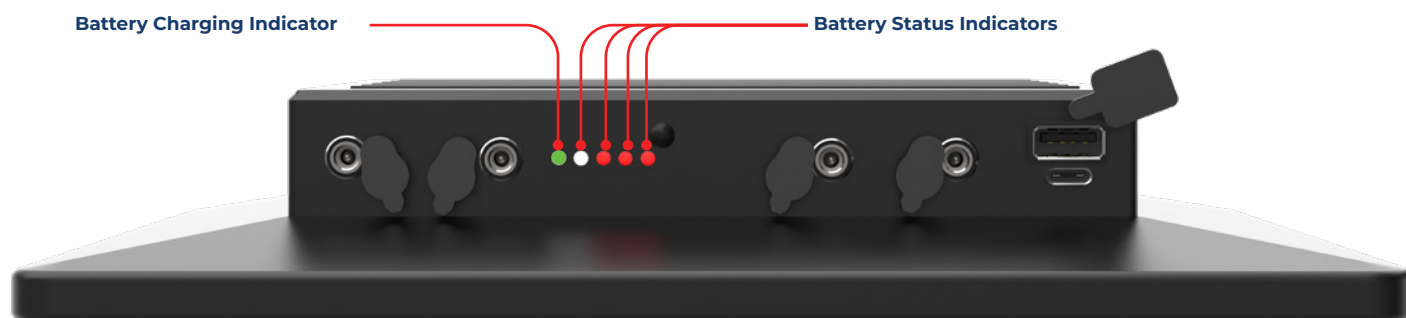
Specifications

Battery Capacity	25,000mAh
Capacity	90Wh
Input Voltage	5V/2A
Output Voltage	12V/1.5A 9V/2A 6V/3A
Temperature	-4°F – 140°F (-20°C – 60°C)
Protection Class	IP66
Panel Size	270mm(L) x 260mm(W) x 52mm(H)
Mounting	Wall Pipe
Cell Material	Monocrystalline Silicon



Mounting Bracket
(Included in the package)

Status Indicators



Charging Status

Status	LED 1	LED 2	LED 3	LED 4
0% - 24%	Flashing	OFF	OFF	OFF
25% - 49%	Red ON	Flashing	OFF	OFF
50% - 74%	Red ON	Red ON	Flashing	OFF
75% - 99%	Red ON	Red ON	Red ON	Flashing
100%	Red ON	Red ON	Red ON	Red ON

Power Status

Status	LED 1	LED 2	LED 3	LED 4
<25%	Red ON	OFF	OFF	OFF
25% - 49%	Red ON	Red ON	OFF	OFF
50% - 74%	Red ON	Red ON	Red ON	OFF
75% - 100%	Red ON	Red ON	Red ON	Red ON

Model Selection

Solar Lithium-Ion Battery Pack	
Part Number	Battery Capacity
S-25000B	25,000mAh



Instructions

Solar Charging

Position the solar panel at an elevated tilt angle to maximize photovoltaic exposure toward the sun. During solar charging, the red charge indicator LEDs remain inactive; only the green status LED will illuminate to confirm an active charge cycle. To monitor the battery's state of charge during solar operation, press the Battery Status button located adjacent to the "IN 5V" input port.

DC / USB Charging

The S-25000B supports external charging via DC input using the supplied 4.0×1.7mm or USB-C to USB-A cables. Connect the USB-A end to a compatible 5V wall adapter and insert the corresponding connector into the designated "IN 5V" DC input port or USB-C port on the solar panel. During active DC or USB charging, the red LED indicators will flash sequentially to indicate charging progress and will cease flashing upon reaching full charge capacity.

Checking Power Status

Pressing the battery status button beside "IN 5V" will display the charge level. Full charge will be indicated with all of the LED's illuminated red.

Installation & Maintenance

- ✓ Optimize the panel's tilt angle relative to the sun's daily trajectory to maximize photovoltaic energy harvest and improve overall charge efficiency.
- ✓ Periodically clean the solar panel surface to prevent accumulation of particulate matter such as pollen, dust, and debris, which can reduce light transmittance and degrade power output performance.
- ✓ When input/output ports are not in active use, ensure all rubber port covers are firmly seated to maintain the unit's NEMA 6 ingress protection rating and prevent moisture or contaminant intrusion into the electrical interfaces.