



Using the Sun to Build a Better Generator™

# SUNKIT

# 5050EXT

A rapidly deployable off-grid solar power system for remote power needs, including base camps and mobile command posts for longer durations

Industrial-grade steel outdoor enclosure with 5,000 Watts of AC power output and 5,120 Watt-hours of energy storage. Ready to accept up to 5000 Watts of solar PV, while also being able to charge quickly from portable generator or utility mains AC power sources.



## BENEFITS

- ✓ Set up in minutes. This is a fully integrated solar power and energy storage system in a single enclosure. Just attach the solar array or AC charging source and plug in your lights and appliances
- ✓ Rugged weatherized steel enclosure can be used indoor or outdoors
- ✓ Wheel kit for easier transport
- ✓ Expandable battery capacity for longer run times
- ✓ Hybrid inverter with UPS function for immediate backup power from batteries when grid failure occurs.
- ✓ A variety of input and outputs: 4 AC outlets, 1 30A 120V AC inlet for generator or grid input, 1 Anderson SB50 connector to attach solar PV input, 1 Anderson SB175 connector for auxiliary battery

## APPLICATIONS

- ✓ Multi-person mobile office (for extended, or permanent use)
- ✓ Remote installations of security systems, communications equipment, industrial lighting, etc.
- ✓ Larger, multi-day outdoor events
- ✓ Suitable for sensitive electronic device



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# Specifications

| SunKit Version  | 5050EXT   |
|---|---|
| Pure Sine Wave Inverter   | 5000W Continuous (10kW 5 sec surge)   |
| Battery Type  | Lithium Iron Phosphate (LiFePO4)  |
| Storage Capacity  | 5120Wh  |
| Estimated Cycle Life based on an 80% Depth of Discharge (subject to other variables including temperature and load) | 6,000 Total Operating Cycles, 4,000 Cycles at 100% potential capacity                                   |
| DC Nominal Voltage  | 51.2V   |
| AC Output Options   | 120V AC or 240V AC, 50/60Hz   |
| Solar Charge Controller   | 80A@ 51.2V DC, 5000 Watts PV Max (MPPT range 120V-450VDC)   |
| AC Input  | 120V AC in (corresponding to AC output voltage) with programmable charging current (set to 20A default) |
| Circuit Breaker Protection  | Yes   |
| System Operating Voltage Range (Default)  | 48-57.6V DC   |
| Operating Temperature Range   | 32-131°F (0-55°C)   |
| Weight  | 246 lb (112kg), (boxed gross: 261lb [119kg])  |
| Enclosure Dimensions  | 45"x37"x15" (114x94x38)   |
| Warranty and Certifications   | 2-YEAR LIMITED MANUFACTURER'S WARRANTY, UN 38.3 and CE Certified (Inverter and Battery)                 |

