



TERRA

250kW

Meet the needs of high-load or high-impact loads in industrial applications, such as construction, manufacturing, and mining. Widely used for temporary power consumption and emergency power supply.

Key benefits



All-In-One:

Integrated battery system that is both solar & generator compatible. Optional trailer mount available.



Parallel Capability:

Connect up to 4 in parallel for up to 1 MW (614.4kWh)



High Output:

Up to 250kW peak output power.



Rapid Deployment:

Units can be easily transported via forklift & crane.



Remote Monitoring & Management:

24/7 via web portal.



AC-Coupled Power System:

Diesel GEN/PV System/Grid.



Plug & Play:

Easy to set up & use.



Tech Specs

| On-Grid | | | |
|-----------------------------|----------------------------------|-----------------------------|---|
| Rated Power | 150 kW | Grid Frequency | 60 Hz |
| Max. Rated / Apparent Power | 250 kW / 250 kVA* | AC Connection | 3 W + N |
| Rated Voltage | 480 V* (±15%) | THDI | ≤ 3% |
| Rated Current | 301 A | Power Factor | -1 ~ +1 |
| Off-Grid | | | |
| Rated Power | 150 kW | Rated Voltage / Frequency | 480 V* / 60 Hz |
| Max. Rated / Apparent Power | 250 kW / 250 kVA* | THDV (Linear Load) | ≤3% |
| Battery Data | | | |
| Battery Chemistry | LiFePO4 | Nominal Charging Current | 100 A |
| Nominal Energy | 153.6 kWh | Nominal Discharging Current | 200 A |
| Working Voltage Range | 600V ~ 876V | Max. Discharging Current | 300 A |
| | | DOD | 90% |
| Compatible Diesel Generator | | | |
| Rated Power | ≤400 kVA | Rated Frequency | 60 Hz |
| Rated Voltage | 480 V* | | |
| General | | | |
| Parallel Capable | Yes (up to 4) | System Noise | <65 dB |
| EMS | SEMS3000 12 inch LCD Touch Panel | Cooling | Intelligent temperature control |
| Ingress Rating | IP54 / NEMA 3R | Fire Suppression System | Included |
| Topology | Transformer | Altitude | 5,000 (>3,000 derating) |
| Working Temperature | -4 ~ 131°F (-20 ~ 55°C) | Certifications | UL1973 / UL1741 / UL9540A / FCC Part 15 Class B / CUEN/ 3U8N.38.3 |
| Storage Temperature | -40 ~ 149°F (-40 ~ 65°C) | Dimensions, LxWxH | 90.55 x 68.90 x 94.49 inch (2,300 x 1,750 x 2,400 mm) |
| Relative Humidity | 5 ~ 95% (No condensing) | Weight | 10,361.72 lbs (4,700 kg) |

Notes:

*600 V and 208 V three phase available upon request. Requires separate transformer.

**Custom colour/co-branding available at an additional cost.

Contact us



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