

TERRA | 150kW

The Terra provides full site power from cranes, job trailers to forward operating bases. It can be coupled with solar as well as a fossil fuel based generator creating a hybrid system or used as a battery backup system for buildings, server rooms, signaling systems and other high value equipment. These systems are designed to save a minimum of 30% fuel cost with some customers showing 90% cost reduction.

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 250kVA 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.

Up to 90% on operational costs:
When compared against fuel generators.



Tech Specs

On-Grid			
Rated Power	150 kVA	Grid Frequency	60 Hz
Max. Rated / Apparent Power	250 kVA / 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 kVA	Rated Voltage / Frequency	60 Hz
Max. Rated / Apparent Power	250 kVA / 250 kVA*	THDV (Linear Load)	≤ 3%
Battery Data			
Battery Chemistry	LiFePO4	Nom. Charging Current	100 A
Nominal Energy	153.6 kWh	Nom. 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 temp. control
Ingress Rating	IP54 / NEMA 3R	Fire Suppression System	Included
Topology	Transformer	Altitude	5,000 (>3,000 derating)
Working Temperature	-40 ~ 131°F (-20 ~ 55°C)	Certifications	UL1973 / UL1741 / UL9540A / FCC Part 15 Class B / CUEN/ UN38.3
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



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Daniel +1 604 902 0119 | Brenton +1 604 374 1613

info@kiikew.com