YOUR ENERGY SAVING EXPERT

X250KT

DG + ESS Solution

Makes Diesel Generator Set
Energy Saving and Efficient.

Saving
30%
Fuel Consumption

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.

All-In-One
Integrated Battery + SEMS + SPCS

4 Sets Parallel
Up to 1 MW/614.4 kWh

250 kW
High Output

Rapid Deployment
Support lifting and forklift transportation

AC-Coupled Power System
Diesel GEN/PV System/Grid

Remote Monitoring & Management
via App and Web

Plug & Play
No installation required

LI-ION technology

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Technical Specifications

Model	X250KT-U/A
AC Output Data (On-grid Mode)	
Rated Power	150 kW
Max. Rated / Apparent Power	250 kW / 250 kVA [1]
Rated Voltage	480 V (±15%)
Rated Current	301 A
Grid Frequency	60 Hz
AC Connection	3 W + N
THDI	≤ 3%
Power Factor	-1 ~ +1
AC Output Data (Off-grid Mode)	
Rated Power	150 kW
Max. Rated / Apparent Power	250 kW / 250 kVA [1]
Rated Voltage / Frequency	480 V / 60 Hz
THDV (Linear Load)	≤3%
Battery Data	
Battery Chemistry	$LiFePO_4$
Nominal Energy	153.6 kWh
Working Voltage Range	600V ~ 876V
Nominal Charging Current	100 A
Nominal Discharging Current	200 A
Max. Discharging Current	300 A
DOD	90%
Compatible Diesel Generator	
Rated Power	≤400 kVA
Rated Voltage	480 V
Rated Frequency	60 Hz
General	
Parallel Capable	Yes (Up to 4)
EMS	SEMS3000 12 inch LCD Touch Panel
Ingress Rating	IP54 / NEMA 3R
Topology	Transformer
Working Temperature	-4 ~ 131°F (-20 ~ 55°C)
Storage Temperature	-40 ~ 149°F (-40 ~ 65°C)
Relative Humidity	5 ~ 95% (No condensing)
System Noise	<65 dB
Cooling	Intelligent temperature control (Battery room) Air cooling (Inverter room)
Fire Suppression System	Included
Altitude	5,000 (>3,000 derating)
Certifications	UL1973 / UL1741 / UL9540A / FCC Part 15 Class B / EN 38.3 CE / UN38.3
Dimensions, LxWxH	90.55 x 68.90 x 94.49 inch (2,300 x 1,750 x 2,400 mm)
Weight	10,361.72 lbs (4,700 kg)

[1] Depends on the output power of the battery system.