

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

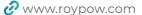
Remote Monitoring & Management

via App and Web



Plug & Play No installation required





Technical Specifications

Model X250KT-U/A X250KT-E/A

AC Output Data	(On-grid Mode)
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Rated Power	150 kW	150 kW
Max. Rated / Apparent Power	250 kW / 280 kVA ^[1]	250 kW / 280 kVA ^[1]
Rated Voltage	480 V (±15%)	400 V (±15%)
Rated Current	183 A	220 A
Grid Frequency	60 Hz	50 Hz
AC Connection	3 W + N	3 W + N
THDI	≤ 3%	≤ 3%
Power Factor	-1 ~ +1	-] ~ +]

AC Output Data (Off-grid Mode)

Rated Power	250 kW	250 kW
Max. Rated / Apparent Power	250 kW / 250 kVA [1]	250 kW / 250 kVA ^[1]
Rated Voltage / Frequency	480 V / 60 Hz	400 V / 50 Hz
THDV (Linear Load)	≤3%	≤3%

Battery Data

Battery Chemistry	LiFePO4	LiFePO ₄
Nominal Energy	153.6 kWh	153.6 kWh
Working Voltage Range	600V ~ 876V	600 V ~ 876 V
Nominal Charging Current	100 A	100 A
Nominal Discharging Current	200 A	200 A
Max. Discharging Current	300 A	300 A
DOD	90%	90%

Compatible Diesel Generator

Rated Power	≤400 kVA	≤400 kVA
Rated Voltage	480 V	400 V
Rated Frequency	60 Hz	50 Hz

General

Parallel Capable	Yes (Up to 4)	Yes (Up to 4)	
EMS	SEMS3000 12 inch LCD Touch Panel	SEMS3000 12 inch LCD Touch Panel	
Ingress Rating	NEMA 3R	IP54	
Topology	Transformer	Transformer	
Working Temperature	-4 ~ 131°F (-20 ~ 55°C)	-4 ~ 122°F (-20 ~ 50°C)	
Storage Temperature	-40 ~ 149°F (-40 ~ 65°C)	-40 ~ 149°F (-40 ~ 65°C)	
Relative Humidity	5 ~ 95% (No condensing)	5 ~ 95% (No condensing)	
System Noise	<65 dB	<65dB	
Cooling	Intelligent temperature control (Battery room) Air cooling (Inverter room)		
Fire Suppression Syste	em Included	Included	
Altitude	5,000 (>3,000 derating)	5,000 (>3,000 derating)	
Certifications	UL1973 / UL1741 / UL9540A / FCC Part 15 Class B / UN38.3	CE / UN38.3	
Dimensions, LxWxH	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)		

All pictures shown are for reference only and data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.