

# PowerFusion Series

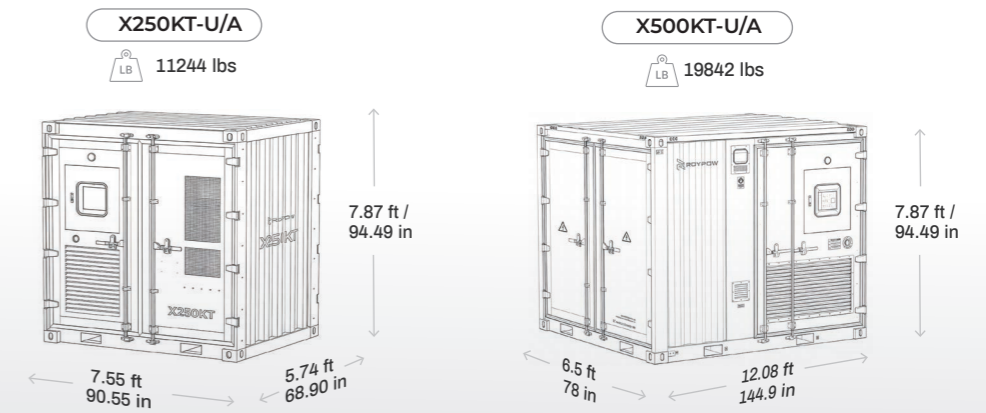
## Modular DG Hybrid Mobile Energy Storage System



250kVA/153.6kWh | 500kVA/474.2 kWh



### Dimensions and Weight

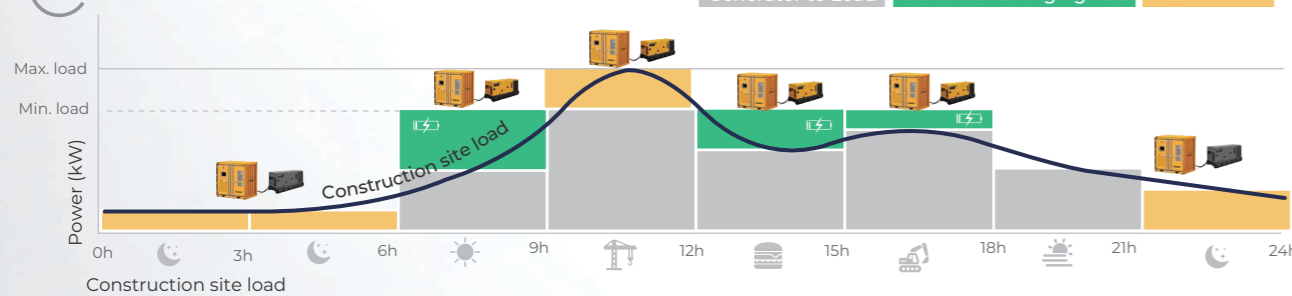


### Specifications

Product model	X250KT-U/A	X500KT-U/A
<b>AC Output Parameters</b>		
Continuous Power	150 kW	500 kW
Motor Starting Power (210s)	250 kVA	550 kVA
Burst Power (210s)	250 kVA	550 kVA
Voltage	480 V, 3L / N / PE	480 V (±10%), 3L / N / PE
Frequency	60 Hz	60 Hz
Continuous Current	180 A	602 A
Motor Starting Current (210s)	270 A	602 A
Burst Current (210s)	270 A	602 A
THDi	≤ 3%	≤ 3%
PF	0.99 / -1~1	-1 ~ 1
<b>Battery Parameters</b>		
Energy	153.6 kWh	474.2 kWh
Cell Chemistry	LFP	LFP
Rated Charging Power/Current	150 kW / 200 A	230kW / 285A
<b>AC Input</b>		
Compatible Diesel Generator Power	Up to 450 kVA	Up to 800 kVA
Voltage	480 V	480 V
Frequency	60 Hz	60 Hz
Busbar Rating	800 A	1200 A
<b>General Parameters</b>		
Parallel Capacity	Up to 8	Up to 8
EMS	SEMS3000 12 inch LCD Touch Panel	SEMS3000 12 inch LCD Touch Panel
Ingress Rating	IP54	IP54
Isolation Method	Transformer	Transformer
Working Temperature	-4~122°F	-4 ~ 122°F
Storage Temperature	-40~149°F	-40 ~ 149°F
Relative Humidity	5% ~ 95% (Non Condensing)	5%~95% (Non Condensing)
Noise Level	< 65 dB	<65dB
Cooling	Intelligent Temperature Control (Battery Room)	Liquid cooling
Altitude	2,000 m	2,000 m
Fire Suppression System	Included	Included
AC Input Interface	2 × 400A Camlock sets (5-wire)	2 × 400A Camlock sets (5-wire)
AC Output Interface	2 × 400A Camlock sets (5-wire)	2 × 400A Camlock sets (5-wire)
Communication Interface	RS485, Dry contact	RS485, Dry contact
Certifications		UN38.3

Note: All data are based on ROYPOW standard test procedures, actual performance may vary according to local conditions.

### 24h at a construction site



#### Maximize Reliability, Maximize Efficiency

Eliminates downtime from generator breakdowns and maintenance, and protects sensitive drives from poor power variations in voltage from the grid.

#### Reduce OPEX and Carbon Footprint

Reduces diesel fuel consumption and maintenance costs while simultaneously lowering Scope 1 Emissions.

#### Easy to Deploy, Simple to Operate & Maintain

Plug-and-play installation with minimal on-site maintenance. Remote monitoring and control for optimized performance and reliability.

#### Designed for Ruggedness and Durability

The robust, industrial-grade design ensures long-term reliability in harsh jobsite environments, minimizing unplanned downtime and maintenance.

#### Flexible Power for Diverse Jobsites

Easily integrates with solar, diesel generators, and grid power, and scales up to 8 units in parallel, to meet the energy needs of various jobsites.

#### Enhanced Safety and Redundancy

Reduces risk from diesel fires and spills, noise, and noxious fumes, while providing power redundancy to complete critical evolutions in the event of generator breakdowns or grid power outage.