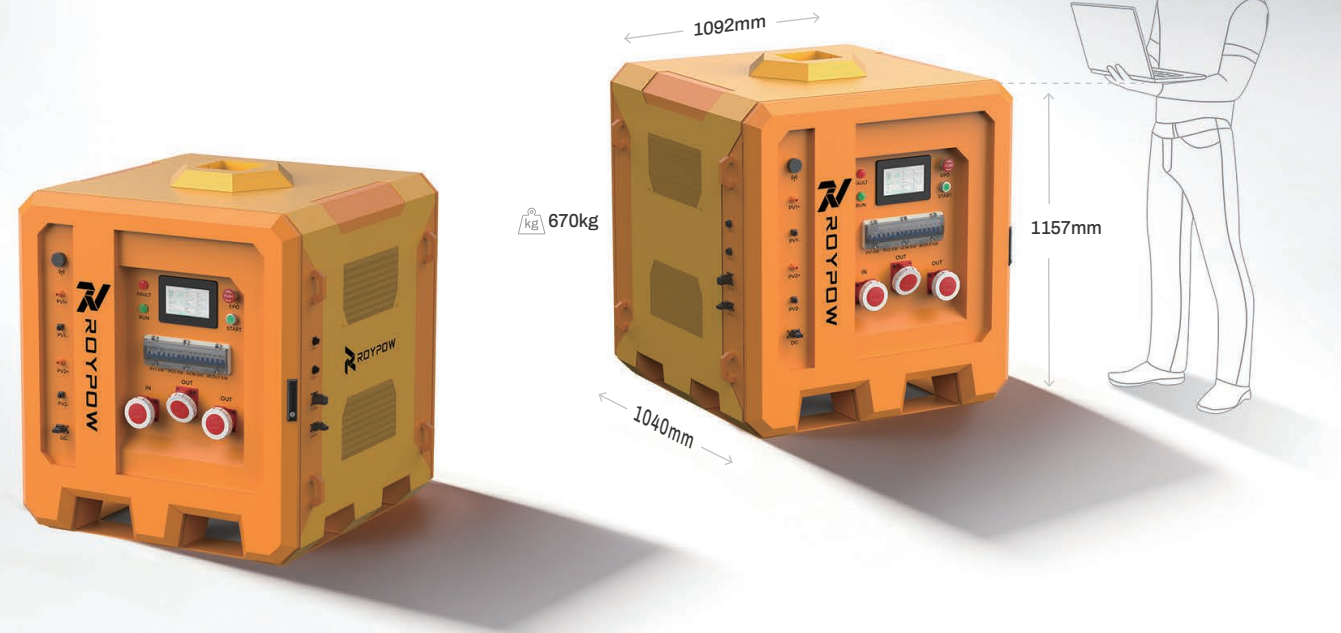




PowerGo Series

Modular Scalable Mobile Energy Storage System

15kW/ 33kWh ~ Up to 90 kW / 198 kWh



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.



Reduce OPEX and Carbon Footprint

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



Improved Reliability

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



Automatic Charging Control

Automatic charge control from grid, solar PV, or diesel generator. Diesel generator will auto start/stop for maximum efficiency with zero manual control required.



Enhanced Safety and Redundancy

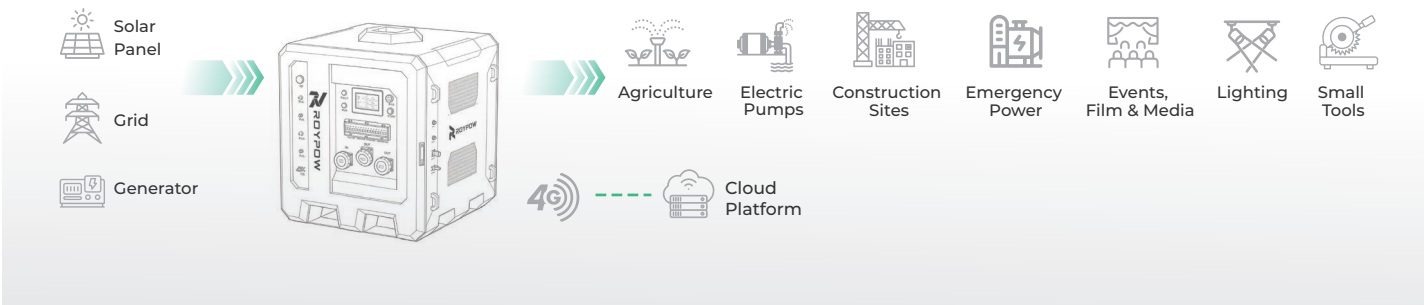
Reduces risk from diesel fires and spills, noise, and noxious fumes, while providing power redundancy to complete critical evolutions in the event of generator breakdowns or grid power outage.



Compact & Lightweight Scalable Modular Configuration

Compact size and lightweight with ability to scale by paralleling up to 6 units for more power and energy in an easy to deploy modular system.

System Topology



Specifications

Model	PC15KT-E/A
AC Output (Discharging)	
Rated Power (kW)	15
Rated Voltage / Frequency	380 / 400 V, 50 / 60 Hz
Rated Current (A)	21.8
Single-Phase	220 / 230 V, Rate power 5 kW; Max 7.5 kW for 1 hour
Rated Bypass Power (kVA)	22.5
AC Connection	3P+N+PE
Overload Capacity	120% for 10min / 150% for 10S
AC Input (Charging)	
Rated Power (kW)	15
Rated Voltage / Current	380 / 400 V, 22.5 A
Rated Input Apparent Power (KVA)	22.5
THDI	≤3%
AC Connection	3P+ N+PE
Battery	
Battery Chemistry	LiFePO ₄
DoD	90%
Rated Capacity (kWh)	33
Voltage (VDC)	550 ~ 950
DC Input (PV)	
Max. Power (kW)	30
MPPT Voltage Range	160 ~ 900 V
Max. Input Current (A)	30 / 30
Number of MPPT	2
Number of String per MPPT	1
Start-up Voltage (V)	180
Physical	
Ingress Rating	IP54
Scalability	Max. 6 in Parallel
Relative Humidity	0 ~ 100% Non-condensing
Fire Suppression System	Hot Aerosol (Cell & Cabinet)
Max. Efficiency	98% (PV to AC); 94.5% (BAT to AC)
Topology Operating Ambient	Transformerless
Temperature	-20 ~ 50°C (-4 ~ 122°F)
Noise Emission (dB)	≤ 45
Cooling	Natural Cooling
Altitude (m)	4000 (>2000 Derating)
Weight	670 kg / 1477 lbs
Dimensions (LxWxH)	1040 x 1092 x 1157 mm / 40.94 x 42.99 x 45.55 inch
AC Connection	CEE Standard Industrial Sockets
Standard Compliance	EN IEC 61000-6-2/4, EN IEC62109-1/2

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



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