



Mobile Power Station, mega capacity in compact size on the wheel

- Power 99% of your home appliances
- Scalable output power from 3kw to 6kw
- Expandable battery capacity from 2.5kwh to 7.5kwh
- Super fast recharge, 0-90% in one hour



Power Your Entire House by Renewable Energy

- Dual input power sources, grid and solar power
- Scheduled charging, charged by grid during off-peak hours
- Charging source priority setting, solar or grid
- Output source priority setting, solar, battery or grid



PEB 1.2kw, 2.5kw
1.2kw output with 768wh capacity,
2.5kw output with 1536wh capacity



PEB 3kw
3kw output with 2.5kwh capacity



LIO 2410
PEB 3kw
Total 5kwh capacity



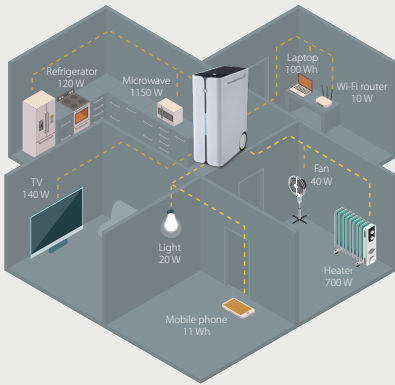
LIO 2410
LIO 2410
PEB 3kw
Total 7.5kwh capacity

Portable Energy Bank

- Sinewave AC output Lithium-ion battery bank
- 30A (750w), 100A(2500w) built-in AC charger
30A (1500w), 100A(2500w) built-in solar charger
ultra fast fully charging in one hour
- 4 AC outlets, 4 DC outputs, terminal block for PEB 3kw
- Dual inputs, grid and solar
- Expandable to 6kw output power for PEB 3kw
- Expandable battery capacity to 7.5kwh for PEB 3kw
- Built-in battery management system (BMS)
- Wifi + APP, remote control & monitor daily power consumption

Power 99% of home appliances during long blackout

- Power 9 devices at the same time for one hour and more



- Power most essential appliance over 24 hours



- Backup time or charge times
(Based on PEB 3kw model)

Heater 700 W	Refrigerator 120 W	Microwave 1150 W	TV 140 W	Light 20 W
3 Hrs	17-35 Hrs	1.75 Hrs	20 Hrs	77 Hrs
Wi-Fi router 10 W	Fan 40 W	Mobile phone 11 Wh	Laptop 100 Wh	
77 Hrs	40 Hrs	222 Charges	40 Charges	

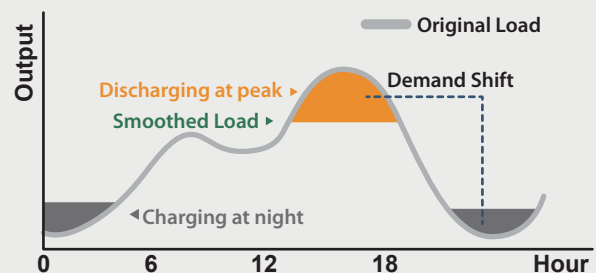
Highly mobility and Plug & Use

If you need to relocate the energy bank, simply unplug it and move it anywhere.



Peak cut

Store the power at night when the utility is generally cheaper and more available and discharge power when needed.



3000W solar input, fully charging in one hour without compromise



0 – 90% in one hour

Built-in 100A big charger, fully charged in one hour



PEB

1 hour

7X



Other portable power station

5-9 hours

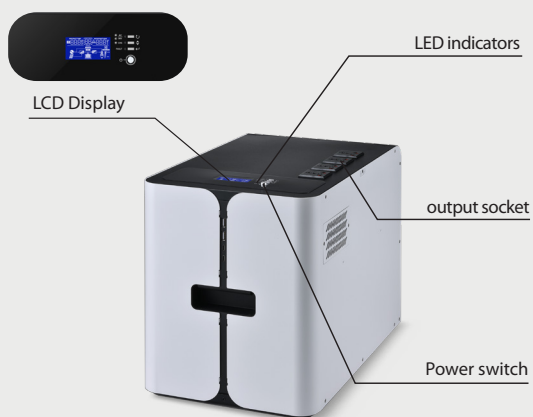
WiFi & APP

Download on the
App Store

ANDROID APP ON
Google play



Outlook

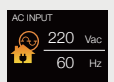


PEB 1.2kw, 2.5kw

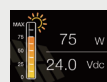


PEB 3kw

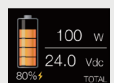
Touch colored LCD with scrolling menu



AC input screen



PV input screen



Battery screen



Load screen

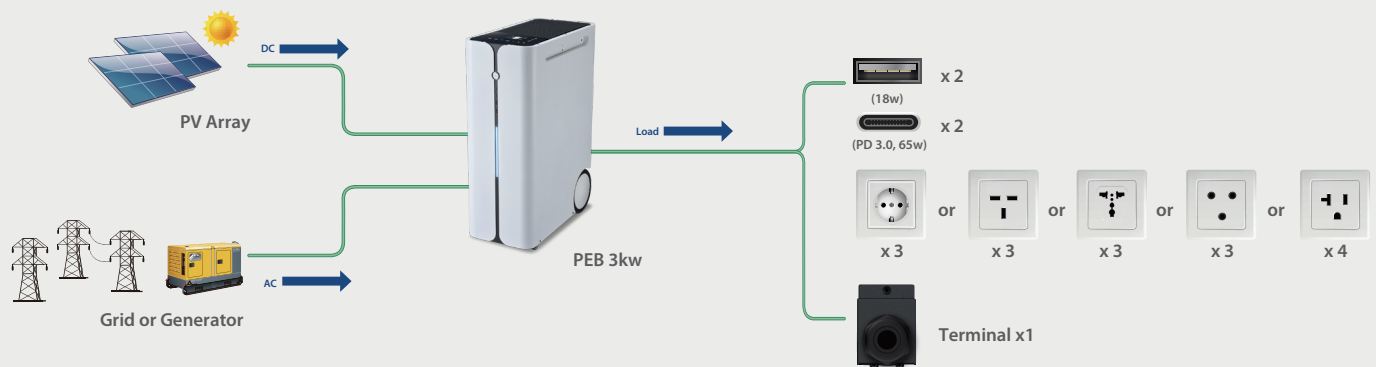


PEB 1.2kw, 2.5kw Rear Panel

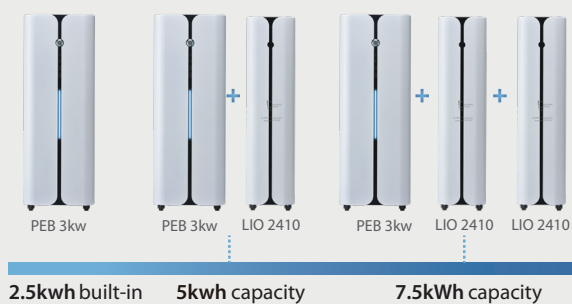


PEB 3kw Rear Panel

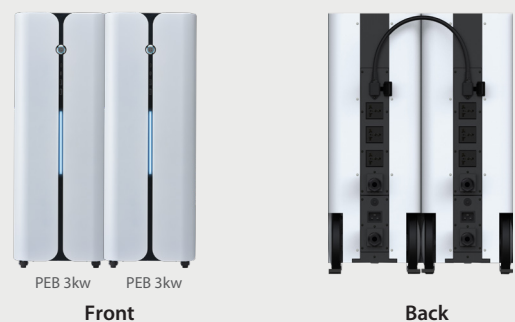
System Diagram



Expandable capacity from 2.5kwh to 7.5kwh



Expandable capacity from 3kw to 6kw



Power Expansion Configuration

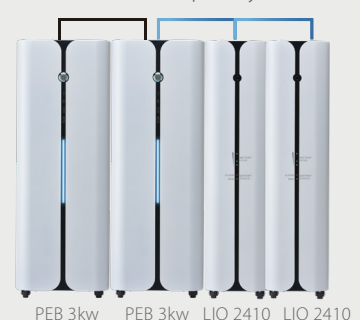
3kw + 3kw output
5kwh capacity



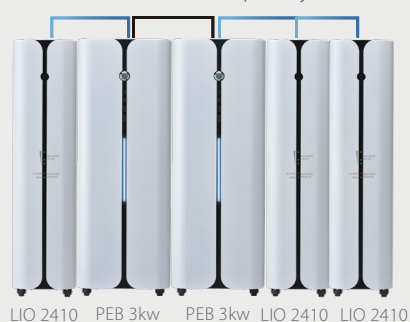
3kw + 3kw output
7.5kwh capacity



3kw + 3kw output
10kwh capacity



3kw + 3kw output
12.5kwh capacity



3kw + 3kw output
15kwh capacity



Portable Energy Bank Selection Guide

INVERTER MODEL		PEB 1.2kw	PEB 2.5kw	PEB 3kw
Rated Inverter Power		1200VA/1200W	2500VA/2500W	3000VA/3000W
INPUT				
Voltage		230 VAC		100VAC/110VAC/120VAC or 220VAC/230 VAC/240VAC
Selectable Voltage Range		170-280 VAC (For Computers); 90-280 VAC (For Home Appliances)		75-130 VAC (For Computers); 60-140 VAC (for Home Appliances) or 170-280 VAC (For Computers); 90-280 VAC (For Home Appliances)
Frequency Range		50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)
OUTPUT				
AC Voltage Regulation (Batt. Mode)		230VAC ± 5%		100VAC/110VAC/120VAC ± 5% or 220VAC/230VAC/240VAC ± 5%
Surge Power		2400VA	5000VA	6000VA
Efficiency (Peak)		90% ~ 93%		93%
Transfer Time		10 ms (For Personal Computers), 20 ms (For Home Appliances)		
Waveform		Pure Sine Wave		
Output Connectors	Outlets	UK x 4 or Schuko x 4 or Universal x 4 or South Africa x 4 or Brazil x 4		UK x 4 or Schuko x 4 or Universal x 4 or South Africa x 4 or NEMA x 4
	USB Ports	Type A x 2 (QC 3.0, 18W x 2) Type C x 2 (PD 3.0, 65W x 2)		Type A x 2 (QC 3.0, 18W x 2) Type C x 2 (PD 3.0, 65W x 2)
SOLAR CHARGER & AC CHARGER				
Solar Charger type		MPPT		
Maximum PV Array Power		2000W	3000W	3000W
MPPT Range @ Operating Voltage		60-300 VDC	60-400 VDC	60~ 400 VDC
Maximum PV Array Open Circuit Voltage		350 VDC	450 VDC	450 VDC
Maximum Solar Charge Current		30A	30A	100A
Maximum AC Charge Current		30A	30A	100A
Maximum Charge Current		30A	30A	100A
BATTERY				
Energy		768Wh	1536Wh	2500Wh
Nominal Voltage		25.6 VDC	51.2 VDC	25.6VDC
Full Charge Voltage (FC)		29.2V	58.4V	29.2V
Full Discharge Voltage (FD)		20V	40V	20V
Typical Capacity		30 Ah	30 Ah	100Ah
Max Continuous Discharging Current		60A	60A	120A
Max Discharging Current		65A	65A	200A
Protection		BMS	BMS	BMS, Breaker
Maximum Charge Current		30A (1C)	30A (1C)	100A (1C)
Inner Resistance		≤0.6m ohm		
Lifecycle		≥ 2500 cycles , 0.5C charging/discharging ≥ 80% @EOL 100% DoD		≥3500 cycles, 0.5C charging/ discharging ≥80% @EOL 100% DoD
PHYSICAL				
Dimension, D X W X H (mm)		450 x 280 x 330		450 x 222 x 622
Net Weight (kgs)		20	25	40
STANDARD				
Compliance Safety		IEC/EN 62109-1/-2, EN 61000-6-4, EN 61000-6-2, IEC 62619, UKCA, UN38.3		

LIO 2410, expandable battery module for PEB 3kw

BATTERY MODEL	LIO 2410
Energy	2500Wh
PARAMETERS	
Nominal Voltage	25.6VDC
Typical Capacity	100 Ah
Rated Discharging Current	120A
PHYSICAL	
Battery Module Dimension, D X W X H (mm)	450 x 150 x 622
Net Weight (kgs)	33
STANDARD	
Compliance Safety	IEC 62619, UN38.3
Product specifications are subject to change without further notice.	

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