



2021, January 1st
data subject to change

PowerInPro

Portable Power Bank 5000 Watts

Portable Power Storage 5120Wh to 10240 Wh



Rated power 5,000 Watts

Peak power 10,000 Watts

Power storage 5120Wh to 10240 Wh

3 Years Warranty



Why PowerInPro 5000 ?

PowerInPro portable power bank is a cabinet based on five kilowatts (5000 watts) output power supplying system. It can easily recharge, store, and supply high-demand power from its built-in hybrid charging, battery storing, and electricity supplying systems. The cabinet is mobile on its four-wheels.

The major parts are 1) All-in-one solar and grid hybrid charger inverter system; 2) All-in-one LiFePO₄ battery storage with its power management system; 3) And a 4-wheel mounted cabinet system. With main features of powerful, portable, high-efficient, professional, and multiple rechargeable. Delivers powerful electricity wherever needed.

All-in-one solar and grid hybrid charger inverter, is an advanced multifunctional pure sine wave inverter. With a peak power of 10,000VA, includes two output modes: Mains electricity bypass output, and pure sine wave inverter output. So uninterrupted power supply is no longer a dream.

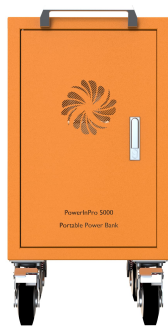
Multiple recharging systems are a humanized design and meet all your special requests. Functions are super high-efficient MPPT solar charging; Solar connected but mains electricity priority charging; Grid-tied but solar priority charging; Solar and mains electricity hybrid charging.

All-in-one LiFePO₄ battery system combined with superior safety LiFePO₄ battery modules, and power management systems. Each module has energy storage of 5120Wh, which offers up to 20 times longer cycle life and five times longer float life than lead-acid batteries. Helping to minimize replacement cost and reduce total cost of ownership. The power management system provides all-time and high-efficient full protections.

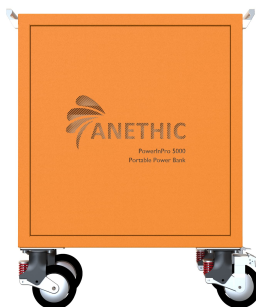
An easy mobile, multifunctional, and good looking cabinet is needed. Well mounted with 6-inches 4 universal wheels (2 with brakes) to satisfy plenty of your applications. Not only a cabinet in your homes, offices, motorhomes, cabins, construction sites, etc... but also a good-looking furniture to make you happier with comforts and lots of power.



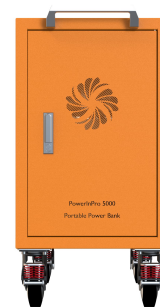
Front View



Left Side View



Back View



Right Side View

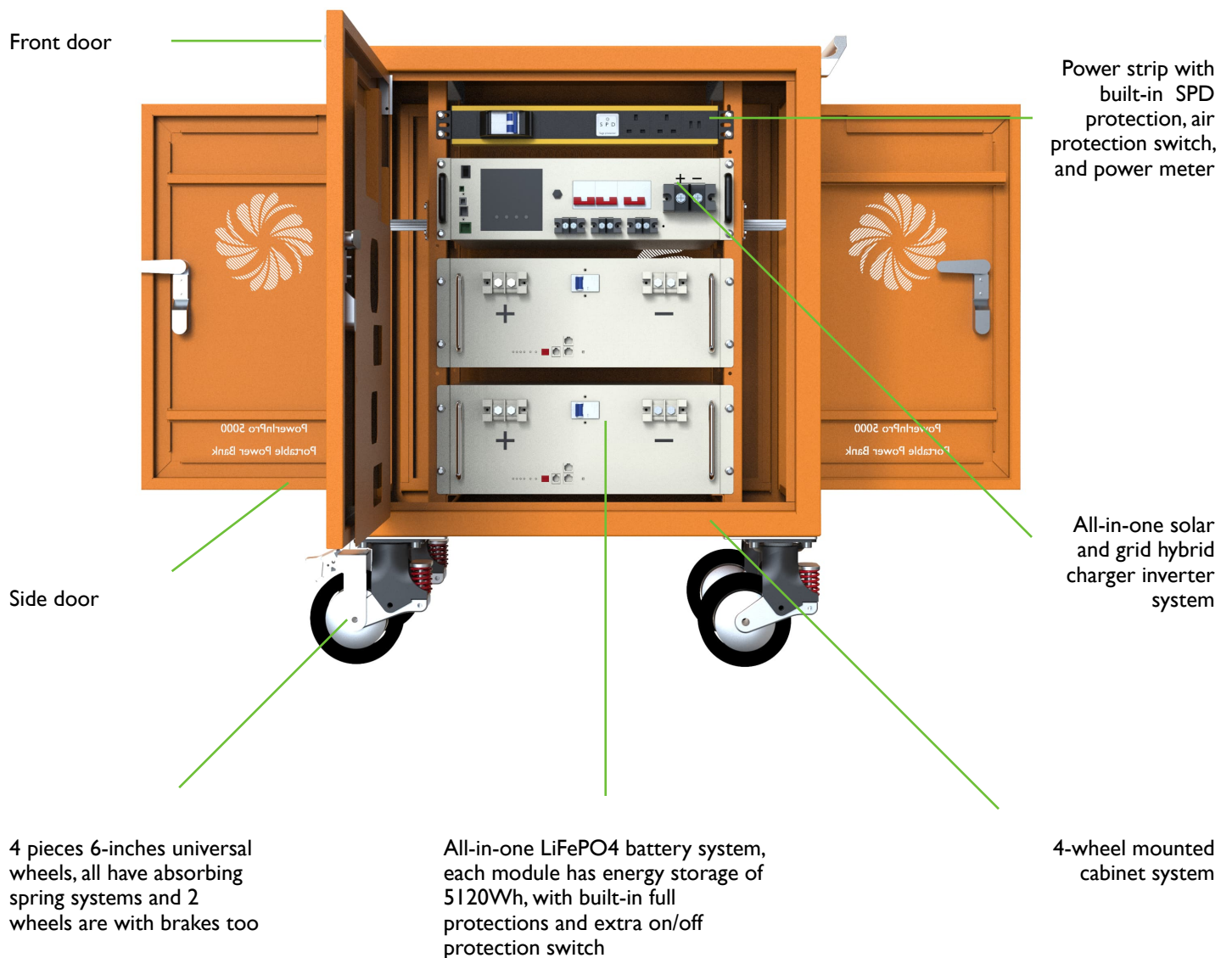
System Features

- I. A cabinet based on 5000 watts power supplying system, easy mobile on its four-wheels.
- II. It can easily recharge, store, and supply high-demand power anywhere, anytime, any electrical devices, for any applications.
- III. Multifunctional all-in-one solar and grid hybrid charger inverter built-in, multiple recharging systems meet all your special requests.
- IV. All-in-one LiFePO₄ battery storage with its power management system built-in, and 20 times longer cycle life and five times longer float life than lead-acid batteries.
- V. Not only a cabinet in your homes, offices, motorhomes, cabins, construction sites, etc... but also a good looking furniture to make you happier with comforts and lots of power.

Applications

- I. Emergency power: For homes, offices, motorhomes, cabins, pumping systems, construction sites, etc...
- II. Work productivity: Operates power tools such as a drill, belt sander, circular saw, and more.
- III. Anywhere, anytime, any electrical products and systems that rated power below 5000W.

Design Features



Inverter Power Supply System

	PowerInPro 5000	PowerInPro 5000+
Rated output power (W / VA)	5,000	
Peak power(VA)	10,000	
Rated output voltage	230Vac or 120Vac	
Output frequency range	50Hz $\pm$ 0.3Hz; 60Hz $\pm$ 0.3Hz	
Loaded motor capability	4HP	
System efficiency	>90%	
Power factor	1	
Output voltage waveform	Pure Sine Wave	
Conversion time (bypass and inverter)	10ms (typical)	
AC reverse protection	Available	
Output short circuit protection	Circuit breaker	
Overload protection	(102% < load < 125%) $\pm$ 10%: report error and turn off the output after 5 minutes (125% < load < 150%) $\pm$ 10%: report error and turn off the output after 10 seconds (Load > 150% $\pm$ 10%: report error and turn off the output after 5 seconds	
AC back flow protection	Yes	
Maximum bypass overload current	40A	
Bypass breaker specifications	63A	
Eco mode	Load $\leq$ 25W	

AC Charging System

	PowerInPro 5000	PowerInPro 5000+
Eco mode	Load $\leq$ 25W	
Maximum charge current range	0-50 A for 230Vac system, 0-25A for 120Vac system	
Peak charging voltage	58.4V	
Rated input voltage	220/230Vac or 110/120Vac	
Input voltage range	(90Vac-280Vac) $\pm$ 2% or (90Vac~140Vac) $\pm$ 2%	
Frequency	50Hz/ 60Hz (Auto detection)	
Frequency range	47 $\pm$ 0.3Hz~55 $\pm$ 0.3Hz (50Hz); 57 $\pm$ 0.3Hz~65 $\pm$ 0.3Hz (60Hz)	
Overload/short circuit protection	Circuit breaker	
Circuit breaker specifications	(AC IN)63A, (BAT) 125A	
Efficiency	>95%	
Overcharge protection	Alarm and turn off charging in 1 minute	

Solar Charging System

	PowerInPro 5000	PowerInPro 5000+
Maximum PV open circuit voltage	145Vdc	
PV operating voltage range	60-145Vdc	
MPPT voltage range	60-115Vdc	
Maximum PV charging power	4200Wp	
PV charging current range	0-50A (adjustable)	
Charging short circuit protection	BAT IN Circuit breaker and Fuse blow circuit breaker	
Wiring protection	Reverse polarity protection	

LiFePO4 Battery System

	PowerInPro 5000	PowerInPro 5000+
Rated battery input voltage	51.2Vdc	
Battery type	LiFePO4	
Battery capacity	100 AH	200 AH
Energy storage	5,120Wh	10,240Wh
Internal resistance	$\leq 500\text{m}\Omega$	
Cycle life	>2500 cycles @ 0.2C 100%DOD	
Months self discharge	<3%	
Efficiency of charge	100% @ 0.2C	
Efficiency of discharge	96~99% @1C	
Charge voltage	58.4V	
Charge cut-off voltage	59.2V	
Equalizing charge voltage	58.4V	
Boost charge voltage	57.6V	
Floating charge voltage	55.2V	
Charge current	20A	
Max. Charge current	50A	
Continuous discharge current	100A	
Max. discharge pulse current	150A(<3s)	
Under voltage alarm voltage	48V	
Discharge cut-off voltage	44.4V	
Discharge limit voltage	42.4V	
Over discharge delay time	5s	

General Specifications

	PowerInPro 5000	PowerInPro 5000+
Product weight	140 kg	200 kg
Gross weight	180 kg	240 kg
Product size(H x W x L)	860 x 550 x 1100 mm	
Wooden box package size(HxWxL)	900 x 600 x 1150 mm	
Warranty	36 months	
Operating temperature range	-15°C to 55°C	
Storage temperature range	-25°C ~ 60°C	
Humidity range	5% to 95% (Conformal coating protection)	
Noise	≤60dB	
Heat dissipation	Forced air cooling, variable speed of fan	
Communication interface	USB/RS485(Bluetooth/WiFi/GPRS)/Dry node control	

Ordering Information

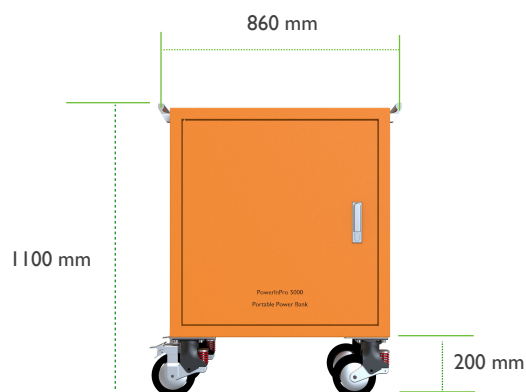
					PowerInPro5000W-10000VA5120WHV1		
Product Code	Rated Power	—	Peak Power	LiFePO4 Battery	Output Voltage	—	Options
PowerInPro 5000	5000W	—				—	Example
PowerInPro 5000	5000W		10,000VA	5,120WH	V1: 220/230Vac V2: 110/120Vac		Customized higher volume batteries available
PowerInPro 5000+				10,240WH			

Note

Please contact us for the options and the lead time which will be varied depending on the options selected.



Packaging Information



Front View



Side View

Product Code	Packaging Unit	Product Dimensions LxWxH	Net Weight	Packaging Dimensions LxWxH	Gross Weight	Volume	Quantity In 20ft Container
PowerInPro 5000	One wooden box	860x550x1100 mm	140 kg	900x600x1150 mm	180 kg	0.63m ³	40 Sets
PowerInPro 5000+	One wooden box	860x550x1100 mm	200 kg	900x600x1150 mm	240 kg	0.63m ³	40 Sets



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