



Take your home and cottage off-grid in ONE day

Power Pak solar system integration box

Save Money and Time

The Power Pak box is designed to save money and time, by combining all the components required to go off-grid in a single box.

Easy Installation

Just connect solar panels and batteries, and you are ready to go!

Built-in System Monitoring

The Power Pak comes with meters to show system power and voltage.

Remote Performance Monitoring & Control (optional)

Receive alerts on your phone when the system is low on power, or switch on/off the lights from your phone! Also get reports on your system's performance and consumption via smartphone app or on-site via touch screen panel.

Multi-Purpose

The flexibility of the Power Pak makes it useful for different purposes:

■ Off-Grid System (Mode 2 setting)

By connecting Solar panels to a Power Pak, the batteries can be primarily charged by solar energy, creating an off-grid system. Combine this with a stand-by generator that acts as a secondary energy source.

■ UPS (Mode 1 setting)

By using the grid as a power source*, use it as back-up power for appliances (i.e. fridge, furnace, water pump, etc.) The Power Pak will automatically switch to battery power when the grid goes down. Also protects appliances from electrical surges.

■ Hybrid System

Use solar panels as the main power source, but keep grid connected as a back-up power source*.

** This eliminates the need to buy noisy, costly diesel generators, while reducing carbon emissions and noise at the same time.*

Conventional method

VS

Power Pak

Many parts to obtain



? Complex to install



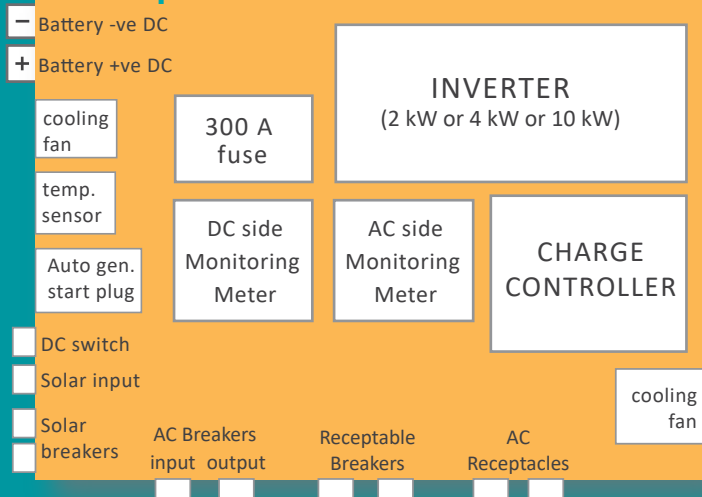
⚡ Hazards

Prone to errors and electrical hazards
Not meeting electrical safety code

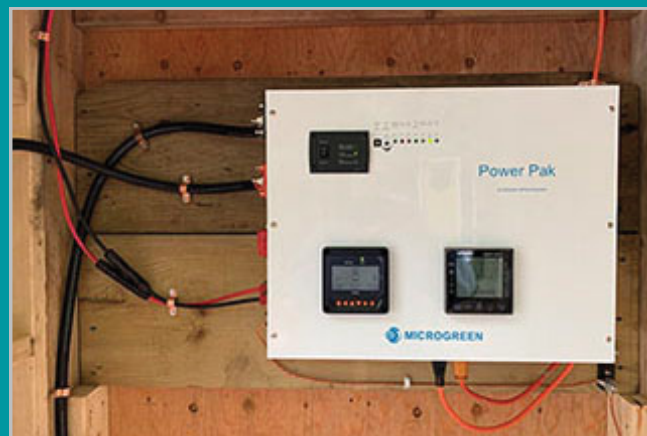
\$ Costly

All parts INTEGRATED in a box

Components inside the Power Pak



✓ Ready to go



✓ Tested

🛡️ Safe - ESA approved for safety

🕒 Savings



Customer testimonials

“ I highly recommend Microgreen. I put off investing in solar equipment for years because every time I met with solar equipment suppliers they would up sell me to a system I couldn't afford. **Microgreen is quite different: they won't let you buy anything you don't need.** I have a high level of trust in their integrity and their expertise. ”

- Darrell Jarvis



“ My house in the Bahamas is in the middle of the devastation caused by hurricane Dorian last year, and grid power is still not available today... I shipped the Power Pak along with a few solar panels down there and that absolutely changed our lives. It was **very simple to hook the Power Pak** up to our existing electrical panel, turning off the main breaker first and eliminating the potential grid connection, and becoming off grid. The advice and assistance we received from Microgreen was second to none. I would like to say how satisfied I am with the purchase of my Microgreen 4KW Power Pak. ”

- Denis Beauchesne

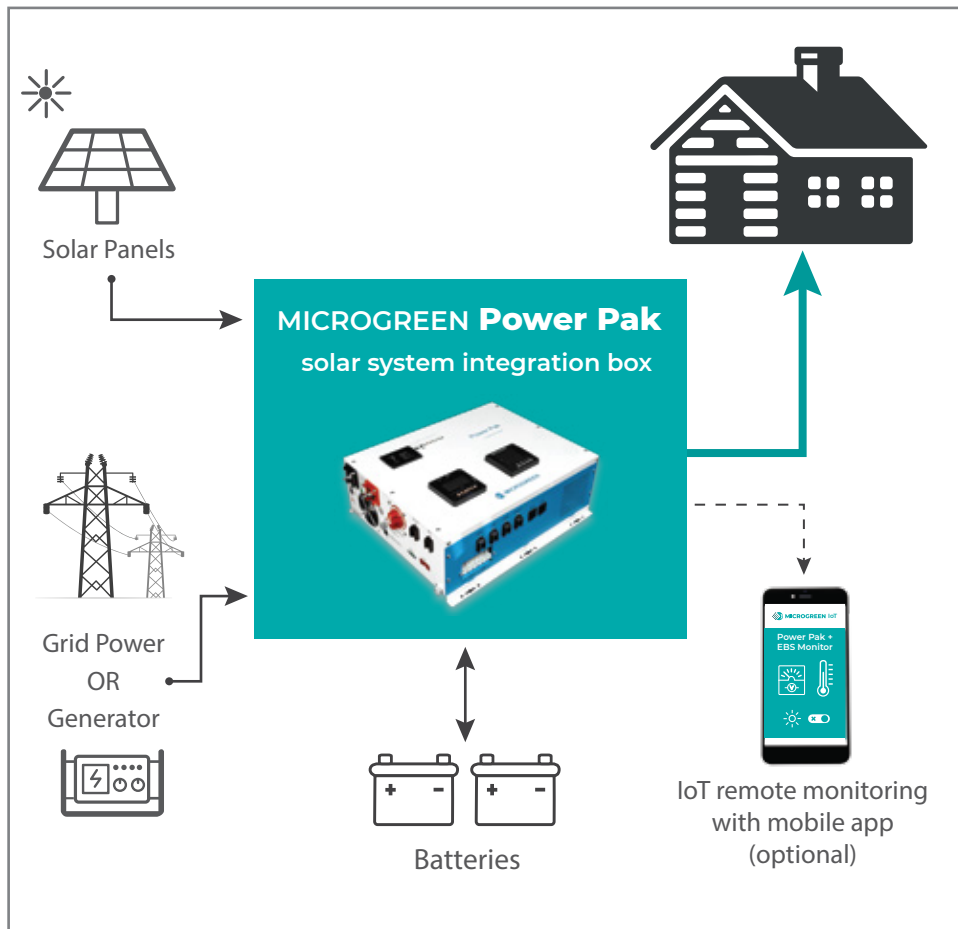
Quick & easy to install - examples of Power Pak installations



Power Pak and battery bank set up in a shed for some of our customers' cottage.



Power Pak solar system integration box



KEY FEATURES

- **All components assembled in a single box, safe to handle, ESA certified**
Inverter, charge controller, DC monitor, AC monitor, circuit protection, and connectors are integrated into a single box, saving cost of obtaining separate components, and the time of integrating them.
- **Accepts multiple sources of power**
Solar for off-grid use, grid for UPS use, generator as a secondary source for off-grid use, hybrid mode uses solar as main, and grid as back-up source.
- **Easy monitoring of system**
Built-in meters for battery voltage, generated solar power.
- **Intelligent Connect (IoT) option**
Allows remote monitoring monthly /weekly consumption, temperature etc. Information is also accessible on-site via touch screen panel. Remote control of up to 2 devices possible, i.e. to control lights, furnace fans or other appliance.
- **Customizable, expandable**
May be customized to meet other capacity needs.

Power Pak specifications summary

MODEL	MINI	COMPACT	GRANDE
INVERTER POWER RATING	3 KW pure sine wave	4 KW pure sine wave	10 KW pure sine wave
DC VOLTAGE	12	24	48
CONTROLLER	45 A PWM	40 A MPPT	60 A MPPT
DC MONITOR	PWM controller meter	Ep Solar MT-50	Ep Solar MT-50
AC MONITOR	n/a	Displays AC volts, watts & KW consumed	Displays AC volts, watts & KW consumed
DC FUSE	150 A	300 A	300 A
AC BREAKERS	Input: 30 Amp Output: 30 Amp	Input: 30 Amp Output: 30 Amp	Input: 50 Amp Output: 60 Amp
SOLAR INPUT	50 V / 45 A	150 V / 1040 W	150 V / 3200 W
WARRANTY	2 years	2 years	2 years

3 MODELS AVAILABLE:

Power Pak MINI

For mobile usage (RVs, marine)
2 KW capacity
12 VDC input

Power Pak COMPACT

For typical cottage
4 KW capacity
24 VDC input

Power Pak GRANDE

For residential
10 KW capacity
48 VDC input

Scan this QR code for more info on the Power Pak and complete product specifications.

