

<http://www.altenergymag.com/content.php?post=23240>



ALL-IN-ONE STORAGE AND CONVERSION SYSTEM FOR PHOTOVOLTAIC ENERGY

WHAT IS THE POWERSTATION 247?

The POWERSTATION 247 is a multifunctional all-in-one storage and conversion system for photovoltaic energy. The system is UL certified for the US market, and all functional units are designed and manufactured by only one company concept by US, with the exception of the lithium-iron batteries. With the POWERSTATION 247 solar generated energy will be available day and night. It is a fully integrated, complete system with build-in hybrid-inverters, solar MPP-trackers, battery chargers, anti-island Protection, battery storage, and BMS, also all necessary field wiring terminals and disconnect switches. Absolutely no additional external components are needed. The system is truly “plug and play”.

The POWERSTATION 247 has 3 product variations 5 kW, 10 kW or 15kW, and all have the same battery storage capacity of 17,28 kWh.

It's free standing cabinet is easy to install and easy to use.

http://www.concept-us.com/files/final_takealookinside.pdf

IS THE POWERSTATION 247 FOR RESIDENTIAL OR COMMERCIAL APPLICATIONS?

The system is tailored to US residential and small business applications.

WHO IS THE TARGET CUSTOMER FOR THE POWERSTATION 247?

The POWERSTATION 247 was developed for the new or existing solar/PV customer who chooses not to be dependent on traditional energy supplies generated by polluting fossil fuels. Our customers are energy conscious and want to contribute to a clean and environmentally sound future. They are the home-owners or small business owners who wish to take control of their proprietary energy consumption. With the POWERSTATION 247 they have an alternative source of electricity and total autonomy.

WHAT IS THE DIFFERENCE BETWEEN THE POWERSTATION 247 AND TESLA'S POWERWALL?

The Powerwall is a small battery system with a DC-DC-converter. It can't be connected to PV-arrays or to the mains without extensive additional circuitry (inverters, solar controllers, installation equipment, etc.). For the power demand of an average American household, the capacity is just too small and needs paralleling of 2-3 Powerwalls.

The POWERSTATION247 is a “plug-and-play” system incorporating all necessary components for a full size solar power system.



PLEASE DESCRIBE A TYPICAL INSTALLATION, WHAT IS NEEDED? WHAT IS INCLUDED? WHAT SPACE IS REQUIRED ETC?

The POWERSTATION247 is truly “plug and play”. The system only needs an utility connection, PV array connection (no external combiner boxes, no external PV disconnect switches) and an internet connection.

The POWERSTATION 247 systems complete external dimensions are the same for all 3 product variations (5 kW, 10 kW and 15 kW). Complete system size is: 70 x 32 x 20 inches, thus complete space requirements needed for a system is approx. the same as a side-by-side-fridge.

It is a fully integrated, complete system with build-in hybrid-inverters, solar MPP-trackers, battery chargers, anti-island Protection, battery storage, and BMS, also all necessary field wiring terminals and disconnect switches. Absolutely no additional external components are needed.

WHAT CAN CONSUMERS WHO BUY THE POWERSTATION 247 EXPECT IN TERMS OF ELECTRICITY SAVINGS ON THEIR UTILITY BILLS?

Electricity savings depend on individual electricity consumption, state electricity prices and weather conditions. In general, the energy saving for a 15 kW system is approx. 20,000-25,000 kWh p.a.

WHAT IS THE EXPECTED PAYBACK PERIOD FOR A TYPICAL SYSTEM?

Payback periods vary by system size, individual energy consumption, weather conditions and electricity costs. On average a 15kW POWERSTATION 247 will have a payback period for example of 6 years in Hawaii and 15 years in Florida.

HOW DO CONSUMERS INTERESTED IN THE POWERSTATION 247 LEARN MORE ABOUT THE PRODUCT?

Visit: www.concept-us.com or POWERSTATION247.com or send us an e-mail to info@concept-us.com

WHERE CAN THE INTERESTED END CONSUMER PURCHASE THE POWERSTATION 247?

POWERSTATION247 will be available through local solar specialists and solar companies that belong to the concept by US distribution network because the installation of the POWERSTATION247 needs to be done by a certified technician or electrician.

HOW CAN YOU BECOME A DISTRIBUTOR FOR THE POWERSTATION 247?

Interested distributors should contact concept by US and will be added to the companies distribution network.

Contact concept by US at info@concept-us.com or <http://www.concept-us.com/contact/contact.html>