
RENEWABLE SOLUTIONS
latpower
Energy to move forward
www.latpower.com
CAT-REN-JUL21

WE ARE LATPOWER

We provide **comprehensive energy solutions** tailored to the needs of each of our clients from different markets throughout **Latin America**.

latpower

Energy to move forward


Efficiency that maximizes
care for the environment
HYBRID
SOLAR
WIND
OFF-GRID
ON-GRID

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LITHIUM BATTERY LFP-HV

BATBLUHV SERIES

With a longer lifespan, up to 10 times shorter recharge times, small size, lightweight and ready to work in the most extreme environments, these batteries are the ideal solution for the replacement of VRLA lead-acid batteries.

The high performance of the LFP cells and the rigorous design of the BMS integrated in these batteries make them fully compatible with any model of high-power inverters currently on the market.

Several groups of batteries can be connected in series and in parallel to increase the installed capacity, achieving much longer backup times.

LITHIUM BATTERY LFP-TEL

BATBLUTEL48 SERIES

With a longer lifespan, up to 10 times shorter recharge times, small size, lightweight and ready to work in the most extreme environments, these batteries are the ideal solution for the replacement of VRLA lead-acid batteries.

The high performance of the LFP cells and the rigorous design of the BMS integrated in these batteries make them fully compatible with any inverter model currently on the market.

Several groups of batteries can be connected in parallel to increase the installed capacity, achieving much longer backup times.

HYBRID INVERTER

INVATSHPS SERIES

- **All in one.** Battery connection input, charging, network and solar panels.
- **LCD touch screen.** Display of operation information, control command and parameter setting.
- **Programmable work mode.** You can use the system in surge reduction or backup mode.
- **Seamless transfer.** Guaranteed uninterrupted power supply.
- **Compact design.** Transformerless topology, light and small size.
- **Dry contact output.** Allows remote control of the generator set.

HYBRID INVERTER

INVATSHPS SERIES

- **All-in-one hybrid inverter.** Battery, charging, network and solar connection.
- **Programmable work mode.** You can use the system in surge reduction or backup mode.
- **Scalable design.** Four units can be connected in parallel.
- **Backup in operation.** In the event of a failure in the parallel system, the rest continues to function without problems.
- **LCD touch screen.** Display of operation information, control command and parameter setting.
- **Seamless transfer.** Guaranteed uninterruptible power supply.
- **Dry contact output.** Allows remote control of the generator set.

DC TO AC INVERTER

INVATSPSC SERIES

- **Flexible configuration.** Configurable as solar charge controller, bypass or independent.
- **Programmable work mode.** Use the system however you like, peak reduction or backup.
- **Scalable.** You can connect multiple units in parallel reaching MW levels.
- **LCD touch screen.** Display of operation information, control command and parameter setting.
- **Dry contact output.** Allows remote control of the generator set.

PFV CONTROLLER

CNVATSPBD250

- **Flexible configuration.** Configurable as solar charge controller, bypass or independent.
- **Programmable work mode.** Use the system you want, peak reduction or backup.
- **Scalable.** You can connect multiple units in parallel reaching MW levels.
- **LCD touch screen.** Display of operation information, control command and parameter setting.
- **Dry contact output.** Allows remote control of the generator set.

PFV CONTROLLER

CNVATSPBD350

- **Flexible configuration.** Configurable as solar charge controller, bypass or independent.
- **Programmable work mode.** Use the system you want, peak reduction or backup.
- **Scalable.** You can connect multiple units in parallel reaching MW levels.
- **LCD touch screen.** Display of operation information, control command and parameter setting.
- **Dry contact output.** Allows remote control of generator set.

OFF-GRID CHARGERS AND INVERTERS

CHRTBBMATE / INVTBBMAX

TBB POWER

A very convenient alternative to OFF-GRID solar solutions is the use of a solar battery charge controller kit combined with an inverter kit.

For this type of solution, TBB POWER offers the line of SOLAR MATE controllers and KINERGIER DC/AC inverters.

The flexibility of using two independent computers allows for flexible solutions that are very easy to implement and maintain.

ALL-IN-ONE CHARGERS AND INVERTERS OFF-GRID

INVTBBAPO SERIES

TBB POWER

TBB POWER's APOLLO and SOLAR MAX “All-in-One” solutions integrate the solar controller/battery charger and the inverter for OFF-GRID solutions in a single unit. Its wide power range (1.3KW / 2KW / 3KW / 4KW) offers options for different applications, from home to commercial.

The possibility of being connected in parallel allows installations in higher powers, easy expansion and/or redundancy in the installation. The option of PWM or MPPT for the battery charger optimizes the energy collected from the solar panels.

SOLAR ENERGY SYSTEM HIGH VOLTAGE

PWSENAGREENSHELF

enatel energy

With an industry-leading efficiency of 97.5%, combined with advanced MPPT algorithmic response times of 99.5% efficiency, greenSHELF ensures the highest power generation utilization from photovoltaic (PV) panels and offers considerable reduction in operating costs and a higher return on investment.

Solar harvesting starts earlier and lasts longer than comparable devices and each charging module is designed to be used with one or two PV strings.

SYNERGI HYBRID SYSTEM

PWSENASYNERGI

enatel energy

SYNERGi is unique. Dynamically detects conditions to optimize operation of existing capital, extending generator and battery life with reduced OPEX.
Minimizes reliance on fossil fuels by dynamically maximizing generator output to improve efficiency.

The SYNERGi solution is universal, allowing it to be easily deployed and commissioned across multiple sites. It will adapt to optimize output variables, thus avoiding the costly sizing and ongoing visits required to implement and maintain other typical hybrids. It also tracks the health of the site's equipment, so maintenance can be brought forward.

WIND CONVERTER

CNVENAWM2048HE

enatel energy

With a maximum efficiency close to 98%, Enatel's WM2048HE High Efficiency Wind Charger provides significant energy savings.

Each charging module is designed to work with a high voltage wind turbine and with a wide input operating voltage window, it offers maximum flexibility for the greatest improvement.

High voltage turbines offer superior performance with lower losses than low voltage alternatives.

HIGH VOLTAGE SOLAR INVERTER

CONENASM SERIES

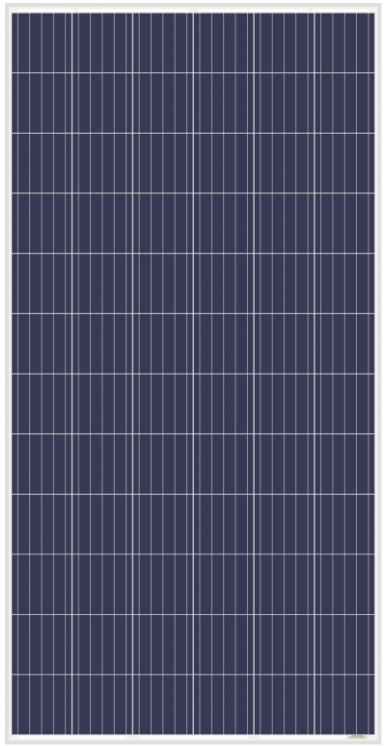
enatel energy

With a maximum efficiency close to 98%, the high-efficiency solar converter provides significant energy savings. Each charging module is designed to operate with single or dual string solar panel configurations and, with a wide input operating voltage window, offers maximum flexibility for maximum optimization.

The module design is based on a high frequency transformer that guarantees galvanic isolation between that of the solar panels and the loads and batteries. Several additional protection elements guarantee the safety and preservation of the investment.

SOLAR PANELS – MODULE POLYCRYSTALLINE

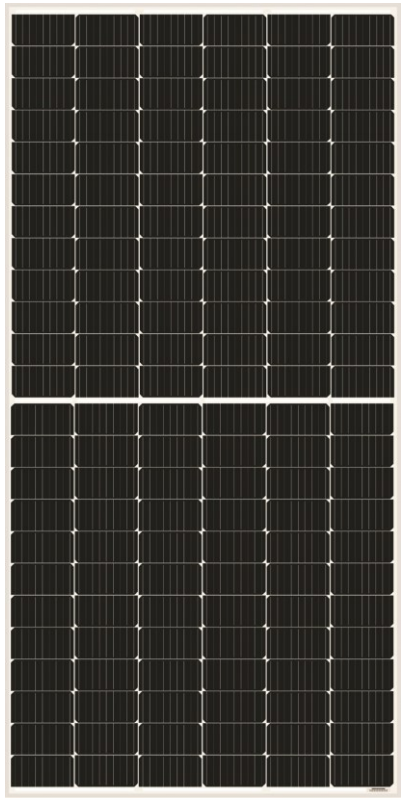
PFVAMEAS6P



- High module conversion efficiency of up to 17.52% through innovative five busbar technology.
- Low degradation and excellent performance in high temperature and low light conditions.
- The robust aluminum frame ensures that the modules withstand wind loads of up to 2400Pa and snow loads of up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt spray, ammonia and hail tests).
- Resistance to potential induced degradation (PID).
- Positive power tolerance of 0 ~ +3%.

SOLAR PANELS – MODULE MONOCRYSTALLINE

PFVAMEAS6M



- High module conversion efficiency of up to 20.37% through the use of an innovative half-cell design and multi-busbar cell (MBB) technology.
- Low temperature coefficient and excellent performance in high temperature and low light conditions.
- The robust aluminum frame ensures that the modules withstand wind loads of up to 2400Pa and snow loads of up to 5400Pa.
- High reliability against extreme environmental conditions (saline mist passage, ammonia and hail tests).
- Resistance to potential induced degradation (PID).
- Positive power tolerance of 0 ~ +3%.

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