



3kva inverter with lithium battery

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Gamma + PCU (Power Conditioning Unit) is an integrated unit consists of grid charger, inverter, MPPT Solar Charger. It continuously monitors Battery and Solar voltage as well as Grid and Output voltage with their currents. MPPT based solar charger extracts the maximum power from the solar panels whereby it increases the efficiency of the system. MPPT charger has multistage charging which maintains the battery charging voltage such that it increases the lifespan of battery.

MPPT is a technique used with photovoltaic(PV) solar systems to maximize power extraction under all conditions. MPPT, or maximum power point tracker is an electronic DC to DC converter that optimizes the match between the solar array (PV panels), and the battery bank. To put it simply, they convert a higher voltage DC output from solar panels down to the lower voltage needed to charge batteries.

Gamma+ is available with LCD, for better user interface. It shows battery voltage, charging current, output voltage, output frequency, output load percentage, Input voltage, Input frequency, solar voltage, solar current & consume solar power. It has four switches to configure Operational mode – Grid charger, IT Load, Smf/Tub, boost charging & mode selection.

All the parameters like battery charging voltage, battery high cut, battery low cut, battery charging current can be adjusted manually by the user as per their choice or requirement.

To increase the life of battery maintain the gravity and temperature and to increase the backup of battery we use the stages of charging and equalize automatically in a month.

The frequency of DG output is a very vital parameter that always varies. And if the system is in DG enable mode then the system will be compatible to take any of the frequency as the input source frequency.

IT mode is used for IT loads which provide protections to IT instruments like computers, printers etc. In IT mode the change over time is very less so that there should not any kind of breakdown in power supply.

PCU Mode – Priority Solar ->Battery -> GridSmart Mode – Priority Solar -> Grid -> BatteryHybrid Mode – Priority for load Grid ->Solar ->Battery,Priority for battery charging Solar -> Grid

Registered Office:Fujiyama Power Systems Limited53A/6, Rama Road Ind. AreaNear Sat Guru Ram Singh Marg Metro StationNear NDPL Grid Office, Delhi – 110015CIN No. –



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The Vito 3kva Mppt Hybrid Inverter & 2.56kw N-Energy Lithium Battery combo with 450W solar panels and installation kit. This powerful, compact system ensures uninterrupted power supply during outages and utilizes solar energy for sustainable electricity.

Elevate your power backup game with the Vito 3kva Mppt Hybrid Inverter & 2.56kw N-Energy Lithium Battery bundled with 450W solar panels and a complete installation kit. This versatile solution combines the functionalities of an inverter, solar charger, and battery charger to deliver seamless, uninterrupted power support in a conveniently portable package.

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