

# MPPT Solar Charge Controller

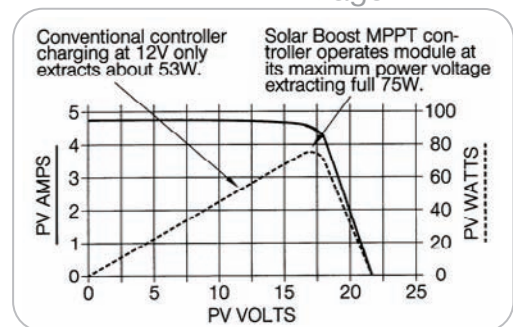


## Maximum Power Point Tracking (MPPT)

- Smart Tracking Control that maximizes the energy harvest from Photovoltaic panel
- Upto 30% more energy conversion efficiency as compared to On/Off and PWM type
- Battery can be charged faster, in shorter duration
- Even in cloudy weather, battery can get charged faster
- Higher voltage PV panel can be used to charge lower voltage battery
- Reduction in wire thickness and hence cabling cost
- Benefits of MPPT are more when battery is frequently discharged
- Modular 1kW and Parallelable for high kW

- Low Battery Cut-off Protection
- Battery Overcharge Protection
- Reverse Polarity Protection: Battery, PV and Load
- Load Protection: Overload, Short Circuit
- Prevents Reverse Battery Current into PV panel at night
- Multiple layers of conformal coating for environmental protection
- Compact Size compared to other MPPT Chargers
- LED indicators and Remote Alarm Annunciators provision
- Controls for Hybrid Power like Solar, Wind and Grid

## MPPT Advantage



## KB Electronics • The Company

Having 20 years experience in Switch Mode Power Supplies(SMPS), Industrial Battery Chargers and DC-DC Converters, our quality is assured with a 1 year warranty on all products. Our products are tested in harsh Indian environments where high input voltage spikes, high temperature, high dust levels, high humidity and corrosive environment are present.

ISO 9001:2008 Certified