



**MITRAMAX™ PV SOLAR PANEL FIELD CHARGER**  
**FOR AUTOMOBILE BATTERIES Model MABC220**  
*(International Patent Pending)*

MitraMax Solar PV Automobile Charger from APLAB is a fully integrated SPV PANEL to directly deliver  $13.6V \pm 1\%$  DC or  $27.2V \pm 1\%$  DC to float charge any 12V Automobile Battery for passenger cars or 24V Batteries used in trucks & commercial vehicles.

**Just Clip-on and Charge**

MitraMax Panel CVCC Charger is a complete and composite power source delivering a clean regulated DC power to charge any 12V or 24V Automobile Battery at any indoor or outdoor location.. It does not need any separate charge controller or reverse diode blocker etc. Each MitraMax Automobile Charger is rated at 220W delivering 18A charge current into a 12V battery without the fear of overcharging the battery. In case of 24V Truck Battery it delivers 9A peak current. Multiples of these chargers can be connected in parallel to get higher charge current.

MitraMax Automobile Charger Panel is IP68 compliant and is therefore ideal for in-field use for long distance travel even in the hinterlands. They are therefore ideally suited for mobile field applications

- Rural non-electrified locations
- While on tours or picnics
- Ideal for buses, trucks as a carried accessory

**Features:**

- **One fully integrated SPV Panel Module – Just Clip-on!**
- **Built-in intelligent MPPT for maximum extraction of solar power**
- **Any high power capability with N+1 Parallel operation.**
- **IP68 Package**
- **Conforms to IEC 61215:2005, EN61215:2005& EN61000-6-1-2007**

**TECHNICAL SPECIFICATIONS:**

Construction	: 220W Integrated into Photovoltaic Modules, IP68 enclosure for outdoor use
Size	: 1500mm x 1000mm x 45mm
Weight	: 18kGs
Output Voltage	: Model MABC220/12 - $13.6V$ DC $\pm 1\%$ Model MABC220/24 – $27.2V$ DC $\pm 1\%$