



**MITRAmax**TM
SOLAR SOURCE

■ REGULATED DC OUTPUT ■ MAXIMUM ENERGY EXTRACT ■ MOUNT AND USE SOLAR SOURCE

MITRAMAX™ SOLAR SOURCE is a Ready Source of inexhaustible Solar Power of 200W. For the First-time in the world MITRAMAX offers, to any user of solar energy, a source of solar power that provides highly regulated DC power.

It is the first 'Direct-to-Use' Hi-tech Solar Energy Source engineered by APLAB to provide stable Constant Voltage DC by extracting maximum possible solar power that a PV Panel can deliver under specific weather conditions.

Features:

- User Friendly source of Constant Voltage Solar Power in any weather condition
- Maximum Solar Power Extraction with embedded Peak Power Tracking
- Any power output up to several kW with N+1 parallel **MITRAMAX™ SOLAR SOURCE**
- Free from "Shadow Effect" unlike currently used SPV Panels arrays.
- Any number of **MITRAMAX™ SOLAR SOURCE** can be connected in parallel
- Suitable for directly mounting on roof-tops like normal SPV panels.
- Same size and mounting as any commercial SPV panel
- Custom Modules available with any DC Voltage levels > 46V DC
- No additional hardware like the charge controller necessary
- For storing the solar energy just hook up battery array of correct voltage rating.
- Use of standard commercial cables specified for outdoor use saves cost
- Type Approved by TÜV to IEC 61215:2005, EN61215:2005 & EN61000-6-1:2007

Technical Specifications:

Output Voltage Load Regulation	: +/- 1%
Construction	: meets IP68 for outdoor use
Reverse Energy Flow Protection	: Built-in
Converter Power Efficiency	: >95%
Size	: 1500 x 1000 x 35 (mm)
Weight	: 18kg

Model	Output voltage	Battery voltage	MPPT tracked power output
Mitramax-110	108.8	96	200Wp
Mitramax-220	217.6	192	

Note: MITRA is a Sanskrit name for the SUN Both MITRAMAX & SOLASORS are registered as Trade Marks of DEDL

