MPP300
ACCESSORY FOR MEASURING AND RECORDING THE EFFICIENCY OF A SINGLE- AND THREE-PHASE, SINGLE- AND MULTI-STRING PHOTOVOLTAIC SYSTEM (UP TO THREE MPPT).

- Simultaneous analysis of 3 strings
- Compatible with SOLAR300N and SOLAR I-Vw
- Integrated rechargeable battery

MPP300 is an innovative accessory which allows measuring and recording the main parameters which characterize single and three-phase, single and multi-string photovoltaic systems (up to three MPPT). Provided with a practical rigid anti-shock case, thanks to its lightness and its reduced size, it is the ideal solution for on-site use. MPP300 interfaces with SOLAR300N and SOLAR I-Vw for its settings, to start/stop recording electric and environmental parameters and to allow for the download of the recorded values. The master device SOLAR300N or SOLAR I-Vw are only used in the initial and final phase of recording, and they do not play any active role while recording electrical and environmental parameters. Remote unit SOLAR302’s synchronized with MPP300 is positioned next to the photovoltaic modules to measure environmental parameters (irradiation and temperature) thanks to this synchronization, it is not necessary to place long connection cables between the environmental probes and the device, what is generally impossible due to the attenuation of the signal caused by the presence of floors, reinforced concrete or metal structures.

Main features
- DC/AC TRMS voltage measurement (single-phase and three-phase)
- DC/AC TRMS current measurement (single-phase and three-phase)
- DC/AC power measurement (single-phase and three-phase)
- Simultaneous multi-string tests (max 3 MPPT)
- Connection with master unit SOLAR300N and SOLAR I-Vw
- Simultaneous analysis of 3 strings
- Integrated rechargeable battery

Functions
- DC/AC TRMS voltage measurement (single-phase and three-phase)
- DC/AC TRMS current measurement (single-phase and three-phase)
- DC/AC power measurement (single-phase and three-phase)
- Simultaneous multi-string tests (max 3 MPPT)
- Connection with master unit SOLAR300N and SOLAR I-Vw
- Power supply with rechargeable Li-ION battery
- LED operating indicators
- USB port for connection to unit SOLAR300N
- RF connection for connection to SOLAR302 and SOLAR I-Vw
- Internal memory for saving recordings

Synchronization between the two units guarantees the necessary simultaneity of measurements and the two separate and independent units make measurements comfortable and safe under any condition.

MPP300’s best partner is SOLAR I-Vw: while MPP300 records the electrical and environmental parameters, it is possible to measure the I-V curves of strings and modules with SOLAR I-Vw, thus saving time and money.

Order code: HVMPP300

Accessories provided
- KITMPPDCW: Set of 2 cables, red and black banana-banana length 2m, 3 pieces
- KITMPPDC: Set of 2 alligator clips, black and red, 3 pieces
- KITMPPCW: Set of 4 cables for AC voltage, 2m
- KITMPPCC: Set of 4 alligator clips for AC voltage
- A0055: External AC/DC battery charger power supply
- C2007: USB cable
- ACON3F4M: Adapter for the connection of clamps HT98U, HP30D1 and HT4004N, 3 pieces
- BORSAD051: Soft carrying bag for accessories
- User Manual
- ISO9000 calibration certificate

Optional accessories
- HT4004P: Standard 10-100ADC clamp, diameter 32mm (only MPP300)
- HT4005N: Standard AC 0÷5A, 0÷100A clamp, diameter 20mm
- HT4005K: Standard 200A AC clamp, diameter 40mm
- HT980: Standard 1÷100÷1000A AC clamp, diameter 54mm
- HT971: Standard 10÷100÷1000A AC clamp, diameter 54mm
- HT98U: Standard 1000A DC clamp, diameter 50mm
- HP30C2: Standard 200÷2000A AC clamp, diameter 70mm
- HP30C3: Standard 3000A AC clamp, diameter 70mm
- HP30D1: Standard clamp, diameter 83mm 1000A DC
- HP30D2: Standard clamp, diameter 274mm
- HP30C3: Standard clamp, diameter 20mm
- HTFLEX33E: Flex 3000A clamp, for power analysis, diameter 32mm
- HTFLEX35: Flex 3000A clamp, for power analysis, diameter 274mm
- 606-IEC: Magnetic connectors for voltage measurement

Connection examples:
- MPP300 + SOLAR300N with USB connection
- MPP300 + SOLAR I-Vw with RF wireless connection

Practical rigid anti-shock case
Small size (mm 300x265x140) for extreme portability