

# Large-Displays with LEDs and individual Layout

Large Displays with self-lighting LED-digits open up very attractive opportunities for representing data of your PV system.

With customizing the layout area you can place a well-directed advertising which might be very efficient for the involved companies, planners and owners - good news by means of Renewable Energy!



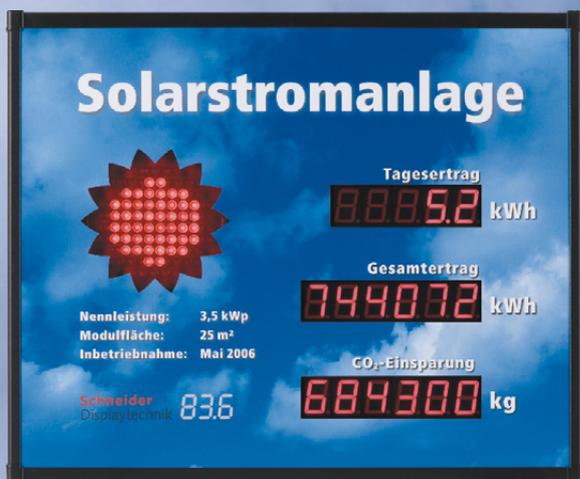
PV3-LED, blue



PV3-LED, red



PV3-LED38 with option: level symbol



PV3-LED38 with option: sun symbol

### Technical Data PV3-LED:

Casing:	Aluminium profile, black-coated, protection class: IP54, Indoor
Dimensions:	720 x 620 x 55 mm (W x H x D)
Weight:	ca. 11 kg
Power Supply:	230 V, 50 Hz
Consumption:	ca. 11 Watt
Displays:	7-Segment-LED, red-lighting, digit height 57 mm
Connection:	Energy meter with impulse or interface RS-232 / RS-485 to suitable data logging system; manually configurable with button
Fastening:	Wall mounting set: inclusive

### Technical Data PV3-LED38:

Casing and technique:	see above, but digit height: 38mm
Dimensions:	640 x 520 x 55 mm (W x H x D)

### Data Connection and Configuration

For connecting the display to the PV-System an impulse output signal can be used. Such an SO-Impulse is available from many energy meters or suitable data logging systems (e.g. Powador ProLog from KACO). The impulse rate can be manually configured directly at the display. Further data processing like determining the actual power, CO<sub>2</sub>-calculation and storage of data is completely integrated into the electronic system of the display unit.

Alternatively the display can be connected via several interfaces (RS-232 / RS-485 / Ethernet) to the PV-system. Suitable data loggers are e.g. Sunny Boy Control, Sunny WebBox (SMA), MaxWeb (SolarMax), Fronius Public Display Card/Box or SolarLog 400e / 800e.

Other interfaces for PV or Thermal heating systems are available, too, or are currently added. Please ask your dealer for an up to date listing.

### Type of Digits

We recommend LED-digits with red oder blue lighting segments especially for indoor application - anywhere where there is artificial light predominant. Directly incoming sunlight exceeds the intensity of the LEDs and can reduce the legibility of the digits to a severe amount. This should be considered while planning or mounting a display unit.

### Options

Several extra positions are available and can be ordered as options, e.g. individual layout, bluelighting digits or symbolic elements for the current power (see pictures on top of the left hand side).



Wall mounting set; not visible in this picture: plastic cap for covering the screws



Cablings through the bottom frame is standard; as an option cables can be lead through top or back side

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