

CA06-2.1, CA08-2.1, CA10-2.1, CA14-1.1

Solar Charger Controllers



- Electronically regulated charging regime: Boost and float charge
- Deep discharge protection
- PWM series regulation, no panel short circuit
- Integrated temperature compensation
- Fully electronically protected:
 - Panel surge voltage
 - Wrong polarity at panel or battery
 - Overload and short circuit at load
- 3 LED indications: Charge Status, SOC, LVD, Overload/Short Circuit
- Common positive allows grounding

The new version of CA solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature.

Main differences to the preceding CA series:

The regulation circuit provides now series regulation to prevent single cell overheat problems of short-circuited solar panels.

The terminal section has been replaced by a rugged, well proven 16 mm² terminal block.

The melting fuse of the predecessor has been replaced by a fully electronically protected circuit.

2 LEDs and 1 Duo-LED to display charging in progress, battery SOC, load disconnect and overload status.

Leisure and rural electrification systems are the typical applications for this product. It is a perfect solution for cost-sensitive systems which require state-of-the-art system management.

The compact case is now similar to the well-known CML series.

Type	CA06-2.1	CA08-2.1	CA10-2.1	CA14-1.1
Normal Voltage	12V	12V	12V	12V
Max. module current	5A	8A	10A	14A
Max. load current	6A	8A	10A	14A
Self power consumption	4mA	4mA	4mA	4mA
Temperature compensation	-3mV/cell*K	-3mV/cell*K	-3mV/cell*K	-3mV/cell*K
Max.wire size	16mm ²	16mm ²	16mm ²	16mm ²
Temperature range	-40 to +50°C	-40 to +50°C	-40 to +50°C	-40 to +50°C
Dimensions	180 x 100 x 32mm	180 x 100 x 32mm	180 x 100 x 32mm	180 x 100 x 32mm
Weight	180gr	180gr	180gr	180gr
Type of protection	IP22	IP22	IP22	IP22

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