



xunzel™

PRODUCT  
NOTE

# XUNZEL-iSCC-A Series

Solar Charge Controller



XUNZEL iSCC-A SERIES SOLAR CHARGE  
CONTROLLER

## XUNZEL – iSCC-A Series Solar Charge Controller

### Product Overview

The new version of the solar charge controller **iSCC-A Series** is especially designed for small solar systems requiring low-battery disconnect. The iSCC-A Series is fully electronically protected.

It is indispensable to control and protect the battery, avoid over-charging and protect the battery against deep discharge.

The iSCC-A Series works on positive grounding.

In addition to perfect PWM regulation and integrated temperature compensation, the controller provides electronically regulated charging mode (Boost and Floating).

The main difference of iSCC-A Series is that it prevents from over-temperature caused by a short-circuit in a panel.

It has three LEDs to indicate: SOC, LVD, over-load and short-circuit.

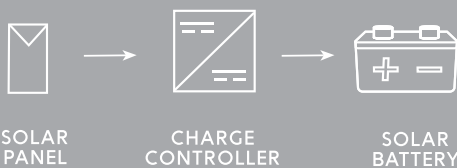
Leisure and rural electrification systems are the typical applications for this product. It is a perfect solution for cost-sensitive systems.

### Available Models

- SOLAR CHARGE CONTROLLER iSCC-A06 XUNZEL 12V - 6A**
- SOLAR CHARGE CONTROLLER iSCC-A10 XUNZEL 12V - 10A**
- OPTIONAL ACCESSORY: DIGITAL DISPLAY iSCC-DL**

### XUNZEL-iSCC-A Features and Benefits

- **Electronically regulated charging mode:** boost and float charge
- **Deep discharge protection**
- **PWM series regulation**
- **Integrated temperature compensation**
- **Fully electronically protected against:**
  - Panel surge voltage
  - Reverse polarity (panel or battery)
  - Overload and short circuit at load
- **Three LED indications:** SOC, LVD, over-load and short-circuit
- **Positive grounding**
- **Remote display iSCC-DL available** (not included)



Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



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# XUNZEL-iSCC-A Series

## Solar Charge Controller

### XUNZEL-iSCC-A Specifications

| MODEL                    | iSCC-A06                | iSCC-A10 |
|--------------------------|-------------------------|----------|
| Nominal voltage          | 12V                     |          |
| Max. module current      | 5A                      | 10A      |
| Max. load current        | 6A                      | 10A      |
| Own consumption          | 4 mA                    |          |
| Temperature compensation | -4 mV/cell*K            |          |
| Max. wire size           | 16mm <sup>2</sup>       |          |
| Ambient temperature      | -40 to +50°C            |          |
| Dimensions (W x H x D)   | 80 x 100 x 32 mm        |          |
| Weight                   | 182g                    |          |
| Type of protection       | IP22                    |          |
| Terminals                | Up to 16mm <sup>2</sup> |          |



REMOTE DISPLAY iSCC-DL XUNZEL FOR CHARGE CONTROLLER iSCC-A SERIES (OPTIONAL)

#### OPTIONAL ACCESSORY

### XUNZEL-iSCC-DL Series

#### Digital Remote Display for Charge Controller iSCC-A

#### Product Overview

The remote display iSCC-DL of XUNZEL is designed to measure and display the panel current, the charging current and battery voltage of your PV system, to offer more detailed information about your system. iSCC-DL display can be used in combination with the charge controllers of iSCC-A Series of XUNZEL.

#### XUNZEL-iSCC-DL Features and Benefits

- **It measures and displays** the panel current, the load current and battery voltage
- **Clear and accurate.** data shown 3 digits
- **3 keys** to switch the values you want to see
- **3 LEDs** indicate the value that is shown in the display
- **Prepared for DIN rail mounting**

| MODEL                          | iSCC-DL               |
|--------------------------------|-----------------------|
| Voltage Range                  | 0 to 35V              |
| Current Range                  | 0 to 25A              |
| Temperature Range              | -25 to +50°C          |
| Connection cable length        | 2 m                   |
| Dimensions of measurement part | 84 x 44 x 32 mm       |
| Dimensions of display          | 72 x 68 x 29 mm       |
| Weight                         | 195g (cable included) |
| Type of protection             | IP22                  |

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