



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.

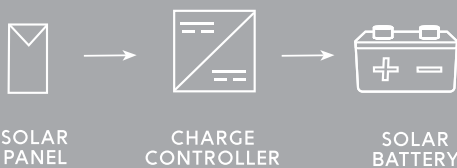
Leisure and rural electrification systems are the typical applications for this product. It is a perfect solution for cost-sensitive systems.

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 ²	
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 ²	



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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