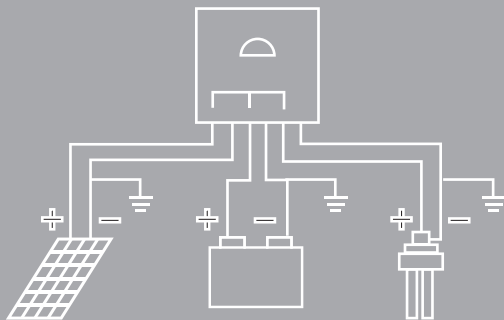


ISLANDERS-iSCC-X Series

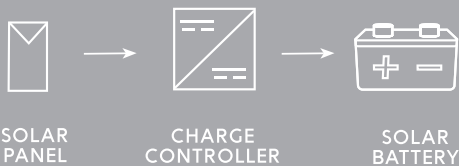
Programmable Solar Charge Controller –
automatic I2/24V detection



CHARGE CONTROLLER iSCC-X SERIES
ISLANDERS



REMOTE DISPLAY iSCC-DX ISLANDER FOR
CHARGE CONTROLLER iSCC-X SERIES
(OPTIONAL)



ISLANDERS – iSCC-X Series

Programmable Solar Charge Controller I2/24V

Product Overview

The iSCC-X is a programmable solar charge controller with negative grounding.

In addition to perfect PWM regulation with integrated temperature compensation, the controllers provide programming and safety functions.

It is indispensable to control and protect the battery and avoid over-charging and over-discharging. It also has a DC output to connect directly DC loads, as ultra-efficient low-voltage I2VDC or 24VDC lamps without the need to use inverters, representing as a great savings and efficiency in the solar system.

The solar charge controller iSCC-X is a sophisticated solar controller for small solar systems. It is equipped with a microprocessor and provides high efficiency displaying it in a simple way with alarm messages and security features.

Control temperature compensation with 3 charging systems (Boost-Floating-Equalization) adjustable for different types of batteries. It also lets you adjust the DC load disconnecting by SOC (State of Charge) or low battery. The state of charge of the battery is displayed with 3 LEDs and it is one of few controllers in its class which has an acoustic alarm before disconnection.

The state of charge of the battery is clearly displayed using a bar graph. The deep discharge protection function can be set to up to five different modes. Acoustic warnings are built in as well as a programmable nightlight function. The compact case design is prepared for DIN rail mounting.

Available Models

CONTROLLER iSCC-X20 ISLANDERS I2/24V - 20A- 240/480W

CONTROLLER iSCC-X40 ISLANDERS I2/24V - 40A- 480/960W

OPTIONAL ACCESSORY: REMOTE DIGITAL DISPLAY iSCC-DX ISLANDERS

ISLANDERS-iSCC-X Features and Benefits

- **Built-in one-year data logger** for system analysis
- **Choose among five load disconnect algorithms**
- **Temperature-compensated**
- **Three-stage PWM series charging regulation** (Boost-Floating-Equalization) for lead-acid batteries (VRLA, AGM, Flooded y GEL).
- **Automatic I2/24V detection**
- **Prepared for DIN rail mounting**
- **Optional external temperature sensor**
- **Optional remote display** (iSCC-DX multi-meter)
- **Optional USB interface**
- **Negative grounding**
- **Programming nightlight and daytime function**

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Series®

info@dot-pacific.com
www.dot-pacific.com

ISLANDERS-iSCC-X Series

Programmable Solar Charge Controller -
automatic 12/24V detection

ISLANDERS-iSCC-X Series Specifications



CHARGE CONTROLLER
iSCC-X SERIES ISLANDERS

MODEL	iSCC-X 20	iSCC-X 40
Voltage	12/24 V automatic detection	
Max. Charge/load current	20A - 240/480W	40A - 480/960W
Float charge	13.7/27.4 (25°C)	
Main charge	14.4/28.8 (25°C), 30 min. (daily)	
Boost charge	14.4/28.8 (25°C), 2h Activation: battery voltage <12.3/24.6 V	
Equalization	14.8/29.6 (25°C), 2h Activation: battery voltage <12.1/24.2 V	
State-of-charge dependent	A:11.4 - 11.9V / 22.8 - 23.8V	B:11.0 - 11.75V / 22.0 - 23.5V
Voltage dependent	A:11.0/22V	B:11.5/23V
Adaptive	11.0 - 12.2V / 22.0 - 24.4V	
Reconnect level	12.8/25.6V	
Overvoltage protection	15.5/31.0V	
Overvoltage protection by varistor	10.5/21.0V	
Max. panel voltage	30 V in 12 V system 50 V in 24 V system	
Temperature compensation	-25 mV/K to 12V -50 mV/K to 24V	
Own consumption	< 6mA	
Ambient temperature	-20 to + 50°C	
Max. altitude	4.000 m above sea level	
Battery type	Lead acid (GEL, AGM, flooded)	
Wire cross section	16 mm²	
Weight	168 g	179 g
Dimensions (W x H x D)	92 x 93 x 38 mm	
Type of protection	IP22	

OPTIONAL ACCESSORY

ISLANDER-iSCC-DX Series

Digital Remote Display for Charge Controller iSCC-X

Product Overview

Remote Display iSCC-DX can be used in combination with the charge and discharge controller iSCC-X of ISLANDERS. The iSCC-DX is designed to display the current values of the panel charging current and battery voltage of your PV system, as well as state of values as SOC, overload or low battery shutdown. In addition, it can display a range of values of the datalogger iSCC-X of the last 7 days: Ah, SOC, Battery voltage (morning, night). This provides very detailed information about your PV system.

ISLANDERS-iSCC-DX Features and Benefits

- **It displays panel current**, load current, battery voltage, Ah, SOC, etc.
- **Clear and accurate**, data shown by symbols and 3 digits.
- **2 keys** to switch the values we want to see
- **Prepared for DIN rail mounting**

MODEL	iSCC-DX
Voltage Range	Displays the voltage range of iSCC-X
Current Range	Displays the current range of iSCC-X
Temperature Range	-25 to +50°C
Connection cable length	2 m
Dimensions	72 x 68 x 29 mm
Weight	94 g (cable included)
Type of protection	IP22

REMOTE DISPLAY iSCC-DX
ISLANDERS FOR CHARGE
CONTROLLER iSCC-X SERIES
(OPTIONAL)

L-II06214-MA



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

