iSCC-AU™ Series. Advanced solar charge and discharge controllers

iSCC-AU 15A | for 12V and 24V batteries
iSCC-AU-Lithium 15A | for 12V and 24V batteries

iSCC-AU 10A | 12V
iSCC-AU Lithium 10A | 12V

iSCC-AU 5A | 12V

iSCC-AU™ Series – XUNZEL

Smart Solar Charge and Discharge Controller

Description

• iSCC-AU™ Series are Advanced High Efficiency MCU based Programmable Solar Charge and Discharge Controllers.

• Models for different Battery Technologies. Lead-acid (GEL, AGM, Flooded), Calcium and Lithium.

• Compact and flat design allows it to fit well in small spaces.

• High Efficiency. Very low self-consumption. Microcontroller based, get the most of your solar panels and batteries.

• Protects the batteries from overcharging by the solar photovoltaic panels and from over discharging, making for a strong return on investment.

• Models suitable for 12V and 24V systems.

• With USB 5V-2100mA Output to charge electronic devices.

• Programmable Operation Modes: Manual Mode and Automatic Mode (Twilight - Day/Night).

• Clear readable LEDs display for easy and quick status reading and programming.

• Ideal for isolated stand-alone photovoltaic solar systems (Off-Grid and Off-Shore) and solar backup.

• Safe and reliable. Temperature Compensation System integrated and complete electronic automatic protections.

Available Models:

For Lead-Acid and Calcium Batteries

- iSCC-AU 5A | 12V
- iSCC-AU 10A | 12V
- iSCC-AU 15A | 12/24V

For Lithium-iron LFP-LiFePO4 Batteries

- iSCC-AU-Li 10A | 12V
- iSCC-AU-Li 15A | 12/24V

XU-92220226-MA

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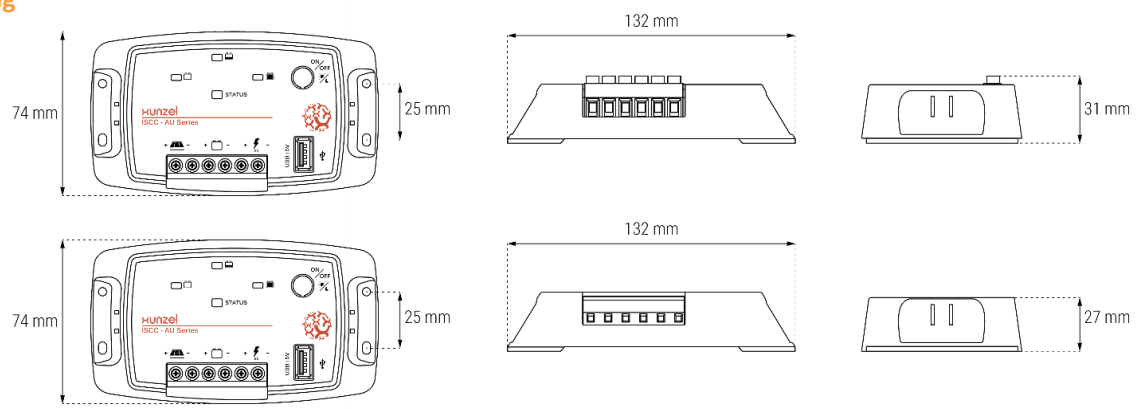
iSCC-AU™ Series. Advanced solar charge and discharge controllers

Technical Specifications

Model	iSCC-AU 5A | 12V	iSCC-AU 10A | 12V	iSCC-AU 15A | 12/24V	iSCC-AU-Li 10A | 12V	iSCC-AU-Li 15A | 12/24V
Code | Part Number	**ISCCAU05**	**ISCCAU10**	**ISCCAU15124**	**ISCCAU1012LI**	**ISCCAU15124LI**
System Voltage	12V		12/24V (Automatic)	12V	12/24V (Programmable)
Max. Photovoltaic Power	80Wp	160Wp	240Wp-12V 480Wp-24V	160Wp	240Wp-12V 480Wp-24V
Max. PV Solar / Load Current	5ADC / 5ADC	10ADC / 10ADC	15ADC / 15ADC	10ADC / 10ADC	15ADC / 15ADC
USB Interface	5VDC / 2100 mA				
Battery Type	AGM, GEL, Flooded (Programmable)			Lithium-iron (LFP-LiFePO4)	
Absorption Voltage -Charge Voltage (Lithium)	14.50V		14.50/29.00V	14.40V	14.40/28.80V
Equalization Voltage	14.80V		14.80/29.60V	-	-
Float Voltage	13.70V		13.70/27.40V	-	-
Charging Voltage Reconnect	-			14.00V	14.00/28.00V
Temperature Compensation	-24.00mV/K (12V System) / -48.00mV/K (24V System) (Absorption, Equalization) -20,00mV/K -24.00mV/K (12V System) / -48.00mV/K (Float)			-	-
Low Battery Voltage Disconnect	10.60V		10.60/21.20V	11.20V	11.20/22.40V
Low Battery Voltage Reconnect	11.80V		11.80/23.60V	12.00V	12.00/24.00V
Max. Battery Voltage	20V		20V/40V	20V	20/40V
Max. PV Voltage	25V		55V	25V	55V
Over Voltage Protection	15.50V		15.50V/31.00V	14.80V	14.80V/29.60V
Protections	Reverse Polarity, Short Circuit, Overcurrent, Reverse Current, Over Voltage, Under Voltage, Over Temperature				
Dimensions (LxWxH)/Weight	132x74x27mm / 100g	132x74x31mm / 100g			
Self-Consumption	<4mA		<6mA	<4mA	<6mA
Max. Wire Size	2.5mm² (14AWG)	6mm² (10AWG)			
Ambient Temperature Range	-40°C ~ +60°C (-40°F ~ +140°F)				
Case Protection	IP23				
Grounding	Positive				
Certifications	**CE | UKCA | RoHs3 and REACH Compliant | WEEE Compliant |** EN62509; EN55015; EN61547; EN50581:2012; EN61000-4-2; EN61000-4-3				

Technical Drawing



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

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iSCC-AU™ Series. Advanced solar charge and discharge controllers

Model	iSCC-AU 5A | 12V	iSCC-AU 10A | 12V
Code *Part Number*	ISCCAU05	ISCCAU10

Model	iSCC-AU 15A | 12/24V	
Code *Part Number*	ISCCAU15124	

Model	iSCC-AU-Li 10A | 12V	iSCC-AU-Li 15A | 12/24V
Code *Part Number*	ISCCAU1012LI	ISCCAU15124LI

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