

iSCC-AU™ Series. Advanced solar charge controllers



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



- iSCC-AU 10 | 12V
- iSCC-AU Li 10 | 12V



- iSCC-AU 5 | 12V

iSCC-AU™ Series – XUNZEL Smart Solar Charge and Discharge Controller

Description

- iSCC-AU™ Series are High-Efficiency Programmable Solar Charge and Discharge Controllers.
- Low self-consumption. Get the most of your solar panels and batteries.
- It protects the battery from overcharges generated by the solar photovoltaic panels and from deep discharges due to connected loads (Under Voltage Protection). Extend the life of your batteries.
- Suitable for 12V and/or 24V systems.
- Safe and reliable.
- USB 5V-2A output to charge electronic devices.
- Programmable Operation Modes: Manual Mode and Automatic Mode (Day/Night).
- For different Battery Technologies.
- Lightweight and reduced dimensions.
- Clear readable LEDs display for easy and quick status reading and programming.
- Ideal for isolated photovoltaic applications (Off-Grid) and Off-Shore, UPS and backup...
- Temperature Compensation System integrated.
- Complete electronic automatic protections.
- 12 and/or 24V output for feeding DC Loads directly and efficiently as no inverter is needed. For example: High-efficiency LED NATURE Series and GALAXI Series by XUNZEL.

Available Models:

For Lead-Acid and Calcium Batteries

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

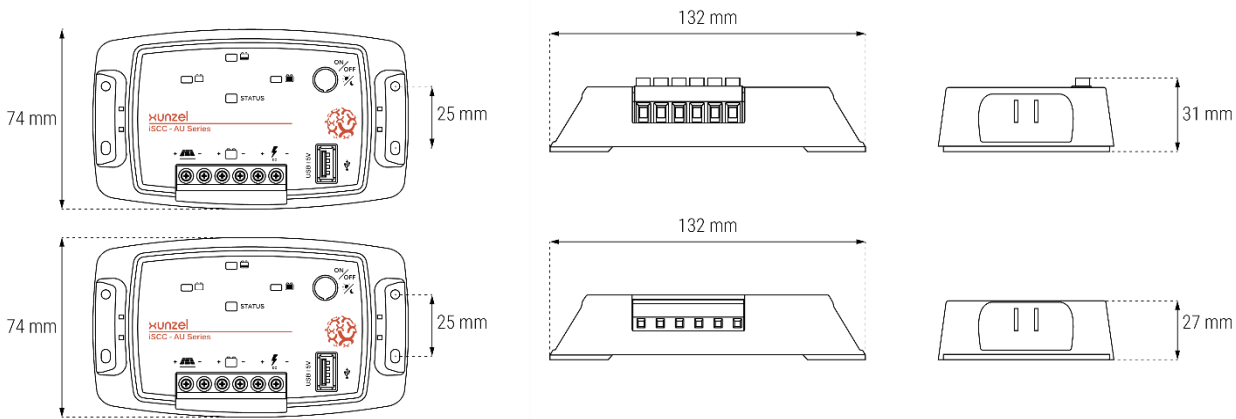
For Lithium LiFePO4 Batteries

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

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Technical Specifications

Model	iSCC-AU 5 12V	iSCC-AU 10 12V	iSCC-AU 15 -12/24V	iSCC-AU Li 10 12V	iSCC-AU Li 15 12/24V
System Voltage	12V		12/24V (Automatic)	12V	12/24V (Programmable)
Max. Photovoltaic Power	80Wp	150Wp	240Wp-12V 480Wp-24V	150Wp	240Wp-12V 480Wp-24V
Max. Solar PV or Load Current	5A	10A	15A	10A	15A
USB Interface	5V/2A				
Battery Type	AGM, GEL, Flooded (Programmable)			Lithium 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	-4,17mV/K per cell (Absorption, Equalization) -3,33mV/K per cell (Float)			-	-
Low Battery Voltage Disconnect	10.60V		10.60/21.20V	11.20	11.20/22.40V
Low Battery Voltage Reconnect	11.80V		11.80/23.60V	12.00	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/29.60V	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	2.5mm ² (14AWG)		4mm ² (12AWG)		
Ambient Temperature Range	-40°C ~ +60°C (-40°F ~ +140°F)				
Case Protection	IP23				
Grounding	Positive				
Certifications	EN62509; EN55015; EN61547; EN50581:2012; EN61000-4-2; EN61000-4-3				



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

