

iSCC-AUB2TM Series. Advanced solar charge and discharge controllers



iSCC-AUB2 12V | 3A



iSCC-AUB2-Li 12.8V | 3A

Mounting hole: Ø3.5mm



LED charge indicator

iSCC-AUB2 Series – XUNZEL

Smart Solar Charge and Discharge Controller
with **ultra-low self-consumption**

Description

- iSCC-AUBTM Series are Advanced High Efficiency MCU based Solar Charge and Discharge Controllers with **ultra-low self-consumption**.
- Models for different Battery Technologies. Lead-acid (GEL, AGM), Calcium and Lithium-iron (LFP).
- 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.
- LED charge indicator
- Protects the batteries from overcharging by the solar photovoltaic panels and from over discharging, making for a strong return on investment.
- Ideal for isolated stand-alone photovoltaic solar systems (Off-Grid and Off-Shore) and solar backup.
- Protections: Reverse Polarity (load protected), Short Circuit, Overcurrent, Reverse Current, Over Voltage and Under Voltage.

Available Models:

- p|n: ISCCAUB212 for 12V Pb Lead-acid batteries
- p|n: ISCCAUB212LI for 12.8V Lithium-iron (LFP) batteries

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XU-92250614M

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



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Technical Specifications

Model	iSCC-AUB2-12V	iSCC-AUB2-Li-12.8V
Code Part Number	ISCCAUB212	ISCCAUB212LI
System Voltage	12V	12.8V
Max. Photovoltaic (PV) Power	60Wp	
Recommended configurations	Battery Capacity (up to)	Photovoltaic Solar Panel (up to)
	4.5Ah	15W
	8Ah	30W
	14Ah	60W
Max. PV Solar / Load Current	3.5ADC / 3.5ADC	
Battery Type	Pb Lead-acid AGM, GEL	Lithium-iron (LFP-LiFePO4)
Charge Voltage	14.20V	13.90V
Float Voltage	13.60V	13.20V
Low Battery Voltage Disconnect	10.60V	11.50V
Low Battery Voltage Reconnect	11.60V	12.40V
Max. Battery Voltage	20V	
Max. PV Voltage	25V	
Protections	Reverse Polarity (load protected), Short Circuit, Overcurrent, Reverse Current, Over Voltage, Under Voltage	
Dimensions (LxWxH)/Weight	52 x 42 x 20mm / 35g	
Ultra Low Self-Consumption	<120 μ A	
Max. Wire Size	4.0mm ² (12AWG)	
Ambient Temperature Range	-40°C ~ +60°C (-40°F ~ +140°F)	
Case Protection	IP68 [excluded terminals]	
Grounding	Negative	
Certifications	CE UKCA FCC EMC RoHs3 and REACH Compliant WEEE Compliant	

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