

iSCC-LXM™ Series

iSCC-LXM™ Series – XUNZEL

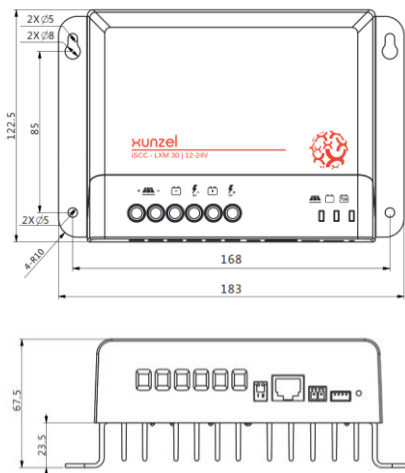
MPPT Advanced Solar Charge and Discharge Controller

Description

- iSCC-LXM™ Series is a high-efficiency **Programmable MPPT Solar Charge and Discharge Controller**.
- **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 against deep discharges due to connected loads.
- **Designed for 12V and 24V systems**.
- Designed for Charging Pb-AGM, GEL, Flooded, Lithium and User Defined batteries
- Safe and reliable.
- RS-485 and Modbus Communication Interfaces.
- **Programmable**: Battery type, charge output voltage and priority when battery low (battery charging or supply consumption).
- Lightweight and compact dimensions.
- **User-friendly** LEDs indicators for easy and quick status reading and programming.
- Ideal for Off-Grid, Mobile, Off-Shore and Backup photovoltaic systems.
- Temperature sensor for temperature compensation.
- Complete electronic automatic protections.
- 12/24V load output for feeding DC Loads directly and efficiently as no inverter is needed.

Available Models

- **iSCC-LXM-30-12/24V – 30A - 400W-12V / 800W-24V**
Code: ISCLXM30124
- **iSCC-LXM-30-12/24V – 30A - 400W-12V / 800W-24V with Bluetooth**
Code: ISCLXM30124B
- **iSCC-LXM-30-12/24V – 30A - 400W-12V / 800W-24V with Remote Display**
Code: ISCLXM30124D



XU-2210222-PL

XUNZEL™ reserves the right to make changes and improvements without prior notice.

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



iSCC-LXMTM Series

Technical Specifications

iSCC-LXM-30 12/24	
System voltage	12V/24V
Max photovoltaic power	12V - 400Wp 24V - 800Wp
Max. Load power	100W
Max. PV solar or load current	30A
Battery type (Prog.)	AGM, GEL, Flooded, Lithium LiFePO4, USER (Bluetooth Prog.)
Max. Battery voltage	32V
Max. PV open circuit voltage	92V
Max. PV MPPT voltage	72V
DC load voltage	12/24 (Prog.)
Protections	Reverse polarity, short circuit, overcurrent, reverse current, over voltage, under voltage, over temperature
Dimensions (LxWxH)/ Weight	183x122.5x67.5 / 1200g
Self consumption	30mA
Max. wire size	16mm ² (6 AWG)
Ambient temperature	-35°C ~ +65°C , -4°F ~ +122°F
Case protection	IP 32
Grounding	Negative
Max. Altitude	3000m

	Battery type parameters				
	AGM/Sealed	GEL	Flooded	Lithium (Bluetooth prog.)	
	Automatic	12V system 24V system (2x)			
Overvoltage disconnection	16.00V	16.00V	16.00V	-	
Charge voltage limit	15.50V	15.50V	15.50V	-	
Equalization voltage	14.60V	14.20V	14.80 V	-	
Absorption voltage	14.40V	14.20V	14.60 V	12V system : 7~17V 24V system: (2x) 7~17V	
Float voltage	13.80V	13.80V	13.80V	-	12V system: 7~17V
Absorption charge recovery voltage	13.20V	13.20V	13.20V	-	24V system: (2x) 7~17V
Low voltage reconnect	12.60V	12.60V	12.60V	12V system : 7~17V 24V system: (2x) 7~17V	
Under voltage warning	12.00V	12.00V	12.00V	-	
Low voltage disconnect	11.10V	11.10V	11.10V	12V system : 7~17V 24V system: (2x) 7~17V	
Discharge voltage limit	10.60V	10.60V	10.60V	-	
Temperature compensation (mV/°C per cell)	3	3	3	-	0~5

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