

iSCC-LXMTM Series



iSCC-LXM-30

iSCC-LXMTM Series – XUNZEL

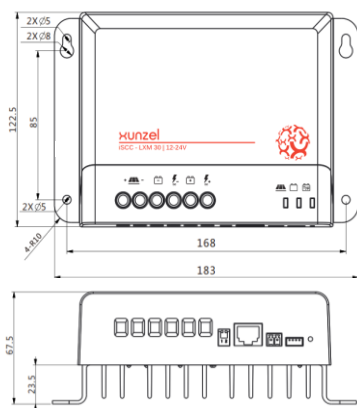
MPPT Advanced Solar Charge and Discharge Controller

Description

- iSCC-LXMTM Series are powerful and high-efficiency **Programmable MPPT Solar Charge and Discharge Controllers**.
- **Low self-consumption** and maximum tracking efficiency (>99,9%). Get the most of your solar panels and batteries.
- It Protects the battery from overcharges generated by the solar photovoltaic panels.
- Smart Under Voltage Protection. It protects your battery against deep discharges due to connected loads. Extend the life of your batteries!
- **Designed for 12V and 24V systems**.
- **Universal for different Battery Technologies**. Programmable. Designed for Charging Pb-AGM, GEL, Flooded, Calcium, Lithium (LFP, NMC, ...) and User defined batteries.
- **Programmable** Charging Voltages and Operation Modes: Automatic or Manual ON/OFF Load and battery type. Adjustable stages power timer.
- Safe and reliable.
- RS-485 and TTL (Modbus protocol communication).
- Robust. **Durable Aluminum** body. Lightweight and compact dimensions.
- **User-friendly** LEDs indicators for easy and quick status reading and programming (model iSCC-LX-30)
- Delivered preconfigured on request.
- Ideal for Off-Grid, Mobile, Off-Shore and Backup photovoltaic systems.
- Temperature sensor for temperature compensation.
- Full electronic/automatic protections. Overvoltage, overcurrent, overload, overtemperature, short-circuit and reverse connection.
- 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



iSCC-LXMTM Series

Technical Specifications

Model	iSCC-LXM-30
Part Number:	ISCCLXM30124
System Voltage	12/24V (Automatic Recognition)
Max. Photovoltaic Power	For 12V: 400Wp For 24V: 800Wp
Max. Solar PV Charging Current	30A
Parallel Connection	N.A.
Max. Solar PV Open Circuit Voltage	92V
Battery Type (Programmable)	Lead-acid Pb (GEL, AGM, Flooded, WET, MF, Calcium) and Lithium-ion LiFePO4 (4S and 8S) (Li-Fe, Li-iron, LFP), NMC and User
MPPT Tracking Efficiency	> 99.9%
PV MPPT Operating Voltage Range	from (Battery Voltage + 2V) to 72V max.
Charge Voltage Target	7.00 ~ 34.00V (Programmable via Bluetooth)
Communication	RS485 (RJ45 interface. Adjustable) / TTL (9600bps)
Battery Voltage	9 - 32V
Temperature Compensation	-4mV/K per cell 2V (Boost, Equal) / No for Lithium
Low Battery Voltage Disconnect	7.00 / 34.00V (Programmable via Bluetooth)
Day/Night Control	Programmable (Voltage and Delay)
DC Load Output Power/Current	100W max.
Self consumption	< 30mA
Protections	Reverse polarity, short circuit, overcurrent, reverse current, over voltage, under voltage, over temperature
Dimensions / Weight	184x123x68mm / 1.2Kg
Wire Size	16mm ² (6 AWG)
Ambient Temperature Range	-35°C ~ +65°C / -4°F ~ +122°F
Case Protection	IP32
Grounding	Common Negative
Max. Altitude	3000m
Certifications	CE, UKCA, RoHS, REACH, LVD, EMC

NOTE: Controller is delivered pre-programmed on request. Please, doesn't hesitate to contact us and deliver your battery parameters.

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XU-92220226-MA

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



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