



Ecosolex

Technical Compatibility Statement

Low-Voltage Rack Lithium Battery (51.2V System)

Product Model No.: ESR-L5000A/ RS-R51100A

Revision: 1.0

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1. Purpose of This Document

This document provides an official statement regarding inverter compatibility of the Ecosolex 51.2V Low-Voltage Rack Lithium Battery system.

Compatibility verification has been conducted under controlled laboratory conditions using CAN and/or RS485 communication protocols.

2. Verified & Fully Compatible Inverters

The following inverter models have successfully completed communication and functional validation tests with the ECOSOLEX 51.2V LV Rack Battery system.

Brand	Model	Test Scope	Status
Solis	S6-EHIP6K-L-EU	Officially listed	Verified
Solis	S5-EHIP6K-L	Officially listed	Verified
Solis	S5-EA1P3K-L	Officially listed	Verified
Solis	S6-EO1P(4-5)K-48	Officially listed	Verified
Solis	S6-EO1P(4-5)K-48-EU	Officially listed	Verified
Solis	S6-EHIP(3-8)K-L-PLUS	Officially listed	Verified
Solis	S6-EH3P(8-15)K02-NV-YD-L	Officially listed	Verified
Solis	S6-EHIP(12-16)K03-NV-YD-L	Officially listed	Verified
Deye	SUN-3.6/5/6/7.6/8K-SG01LP1-EU	Officially listed	Verified
Deye	SUN-5/6/7.6/8K-SG01LP1-US	Officially listed	Verified
Deye	SUN-3.6/5/6K-SG03LP1-EU	Officially listed	Verified
Deye	SUN-3/3.6/5/6K-SG04LP1-EU	Officially listed	Verified
Deye	SUN-3.6/5/6/7.6/8K-SG05LP1-EU	Officially listed	Verified
Deye	SUN-5/6/8/10/12K-SG04LP3-EU	Officially listed	Verified
Deye	SUN-12/14/16K-SG01LP1-EU	Officially listed	Verified
Deye	SUN-8K-SG02LP2-US	Officially listed	Verified
Victron	SPCIII5-5000-48 (Modbus)	Communication	Verified
Sol-Ark	Sol-Ark-15K-LV	Communication	Verified
GoodWe	GW5048D-ES	Communication	Verified
Growatt	M5000H-48BP	Communication	Verified
Luxpower	LXP-LB-US-12K	Communication	Verified
Megarevo	R8KLNA	Heating Function	Verified
Megarevo	R5KL1	Communication	Verified
Schneider	XW Pro 6848 NA	Communication	Verified
SRNE	SPH5048P	Communication	Verified
Redx	RX-7010HY	Communication	Verified
Isuna	6000S	Communication	Verified
MUST	SL5.5KW-48	Communication	Verified
SENEC	SE-5KHB-120	Communication	Verified

3. Compatibility Under Validation

The following inverter models are currently undergoing firmware adaptation or validation testing:

Brand	Model	Status
Victron	MultiPlus-II 48/3000/35-32 230V	Validation in Progress
SMA	Sunny Island SI6.0H-13	Validation in Progress
SMA	Sunny Boy SB5.0-1AV-41	Validation in Progress
SMA	SIS 6.0H-13	Validation in Progress
Growatt	H1-3K-S2	Validation in Progress
Luxpower	SNA-US-12000	Validation in Progress
Megarevo	R6KL1	Validation in Progress
SRNE	SGN1.4KHB-48	Validation in Progress
Solis	S6-EH3P15K02-NV-YD	Validation in Progress
Redx	RX-2500	Validation in Progress
Solplanet	ASW5000H-S2	Validation in Progress

4. Technical Scope of Validation

All tests were conducted under the following conditions:

- Battery System Voltage: 51.2V Nominal (Low-Voltage Rack System)
- Communication Interface: CAN / RS485
- Protocol Type: Manufacturer Listed Protocol or Customized Protocol
- Functional Scope:
 - Communication stability
 - Charge/Discharge control
 - BMS interaction
 - Alarm & protection response

Compatibility results are based on internal laboratory validation.

Project-specific integration or firmware version differences may affect compatibility. It is recommended to confirm with ECOSOLEX Technical Support prior to project deployment.



5. Disclaimer

This compatibility statement is valid at the time of publication.
ECOSOLEX reserves the right to update this document in accordance with product firmware upgrades or inverter manufacturer changes.

For the latest compatibility information, please contact:

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