

CONLUXS LIGHTING CO., LIMITED

CONLUXS Communication Integration Guide

Communication integration guide

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Public technical document — prepared under controlled wording policy.

1. Scope

This guide describes the external communication integration supported by CONLUXS energy storage / BMS systems, covering 5 supported protocols for integrators and project parties. Protocol details are subject to final verified versions.

1.1 Controlled Entity Mapping

MAXPOWER-1000 → Communication Integration Guide (entity mapping only; no new specifications, no unsupported parameters). This mapping follows the frozen product coverage decision (8F-2D ④); MAXPOWER-1000 communication details are covered by this guide, with no additional parameters claimed.

2. Supported Protocols (5)

#	Protocol	Interface	Status source
1	Modbus TCP	Ethernet	Published declaration (supports)
2	IEC 61850	Ethernet	Published declaration (supports)
3	IEC 104	Ethernet / Serial	Published declaration (supports)
4	Modbus RTU	RS485	Published declaration (supports)
5	SRNE PACE BMS Modbus Protocol (RS485, V1.3, 9600 baud)	RS485	Published declaration (supports)

All protocols above are class-B declarations using 'supports' wording only; 'certified / tested to' is not used. Protocols outside these 5 are not in the supported list (extension to be confirmed by product team).

3. Architecture Diagrams (4)

Architecture diagrams are placeholders; final artwork (PNG/SVG) to be provided by the product team.

3.1 System Connection Diagram

Content: physical connection between EMS / PCS / BMS / inverter / load / grid. Status: placeholder — to be provided.

3.2 Protocol Stack Diagram

Content: layered view from physical layer (RS485 / Ethernet) to application layer (Modbus RTU / Modbus TCP / IEC 61850 / IEC 104 / SRNE PACE BMS). Status: placeholder — to be provided.

3.3 BMS Integration Diagram

Content: data link between BMS (SRNE PACE BMS Modbus Protocol, RS485, V1.3, 9600 baud) and host / monitoring platform. Status: placeholder — to be provided.

3.4 Data Flow Diagram

Content: collection point -> BMS / controller -> protocol conversion -> upper platform. Status: placeholder — to be provided.

4. Integration Notes (to be completed)

Wiring and topology requirements: (To be provided by product team).

Default communication parameters (beyond confirmed RS485 9600 baud V1.3): (To be provided by product team).

Data mapping / register description: unverified register addresses are prohibited and are not included in this version; to be supplemented after official protocol documentation is provided.

Integration examples with third-party SCADA / EMS: (To be provided by product team).

This guide uses controlled wording: 5 protocols frozen, no unsupported certification claims, no invented parameters.