



SYD Green Energy GmbH & Co. KG

An der Gumpgesbrücke 26
41564 Kaarst
Ust.ID: DE 356243656
Handelsregister: HRA8152
Registriergericht: Neuss

Vertreten durch:

SYD Verwaltungs GmbH
An der Gumpgesbrücke 26
41564 Kaarst
Deutschland

Diese vertreten durch:

Andrej Dedic & Maurice Dedic
Handelsregister : HRB22646
Registriergericht : Neuss

SUN-SMART-TX01 (Smart Transmitter) | Wireless Energy Management System

Model: SUN-SMART-TX01 / **EAN:**



Price:

You do not have the permission to see the prices

The Deye SUN-SMART-TX01 is the central LoRa transmitter for the Deye Wireless Energy Management System. It creates a powerful, fully offline LoRa network (863–870 MHz) with up to 200 m range, connecting hybrid inverters with smart plugs, switches, EV chargers and CTs – without Wi-Fi or internet. The result: lightning-fast, reliable, local smart energy control.



KEY FEATURES

200 m LoRa Range Reliable connection even through walls – no internet required

Fully Offline Smart energy management works even during internet outages

Ultra-Robust –40 °C to +60 °C, 0–100 % humidity, IP65 when installed

Plug & Play DIN-rail mounting, only 5 V DC, built-in antenna

Tiny & Light 137.8 × 31.3 × 31.3 mm – just 46 g

TECHNICAL SPECIFICATIONS

Parameter	Value
Communication	<ul style="list-style-type: none">• LoRa 863–870 MHz• Range: ≈200 m (line of sight)• Built-in antenna (0.56 dBi)
Power & Mounting	<ul style="list-style-type: none">• 5 V DC input• DIN-rail mounting• Dimensions: 137.8 × 31.3 × 31.3 mm

Environment

- Weight: 45.8 g
- Operating temp.: -40 °C to +60 °C
- Humidity: 0-100 %
- IP20 (IP65 when installed)
- Altitude \leq 4000 m

Deye SUN-SMART-TX01 – The heart of the offline LoRa smart energy network. 200 m range, bomb-proof, tiny.

Characteristics

Model:	SUN-SMART-TX01
LoRa Communication:	\approx 200 m range, low-power, long-distance
Mounting:	DIN-Rail or Plug-In Mounting
Operating Temperature Range:	-40 °C to 60 °C
Remote Control:	via Deye Cloud APP and/or Inverter Display
Energy Automation:	based on PV surplus, time schedules, or user logic
Compact Design:	optimized for indoor/outdoor energy environments
CE Certified & Safety Compliant:	IEC/EN standards, e.g. 61058, 62368
Low Power Consumption:	high efficiency and minimal load
Compatible with:	Wireless Energy Management System

More pictures:



A product from the range of SYD Green Energy (www.syd-green-energy.com)

SUN-SMART-TX01 (Smart Transmitter) | Wireless Energy Management System

Details

Parameter	Value
Deye SUN-SMART-TX01 LoRa Transmitter	
Frequency Range	863–870 MHz
Antenna Gain	0.56 dBi (built-in)
Communication	LoRa
Range	≈200 m (line of sight)
Power Input	DC 5 V
Operating Temperature	−40 °C to +60 °C
Humidity	0–100 %
Ingress Protection	IP20 (IP65 when installed)
Altitude	≤ 4000 m
Dimensions	137.8 × 31.3 × 31.3 mm

Weight	45.8 g
Warranty	2 years
Certification	IEC/EN 62368-1

Service Hotline: Tel. +49 (0) 2131 52811-23 - info@syd-green-energy.com - www.syd-green-energy.com

This is a B2B offer vom SYD Green Ernergy GmbH Germany. Prices are without tax and plus shipping.