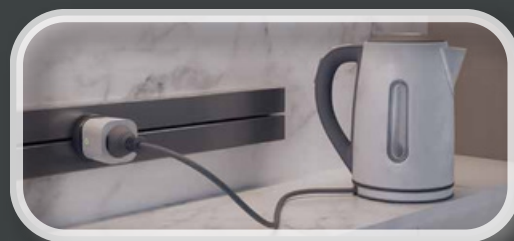
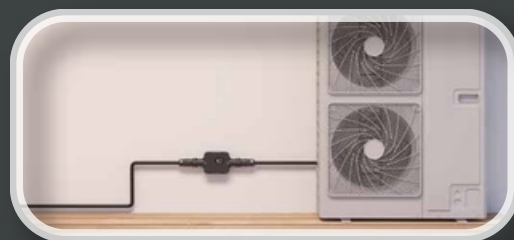


wireless energy management system

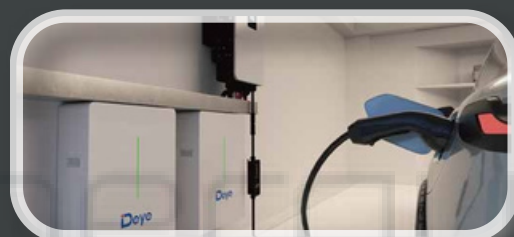
A smart load management and home automation solution based on LoRa communication



Smart Plug



Smart Switch



Smart EV Charger



Wireless CT

 low latency

 Supports all Deye hybrid inverters

 Easily define non-essential and critical loads

 Offline operation

 Maximize the use of solar power

 Minimize the electricity bill as much as possible

 LoRa communication

 Smart Load management

 Charging control strategy based on time and SOC

Deye



wireless energy management system

A smart load management and home automation solution based on LoRa communication.

All Deye hybrid inverters can serve as the local control center for the Deye Smart Home IoT System. Simply install the Deye Smart Transmitter(TX) to the inverter's Meter port to easily pair with Deye LoRa devices.



Deye Wireless CT is installed in the distribution box to monitor power consumption, Supports both LoRa and RS485 communication methods simultaneously.



Deye Smart Plug can be easily installed in any standard socket, instantly upgrading the appliance plugged in to a smart device.



Deye Smart Switch is designed for outdoor high-power loads, offering the same logic control as Smart Plugs, supporting both single-phase and three-phase loads. With the Deye Cloud APP or directly on the inverter's screen, you can customize the on/off logic for each Smart Plug based on factors like time and battery SOC levels.



Deye Smart EV Charger can be directly connected to any AC port of the inverter and is controlled by the inverter via LoRa communication. It offers flexible options to take advantage of low-cost electricity, with modes such as Plug and Play, Time of Charge, or Solar Energy Only.



Why choose LoRa communication solutions?

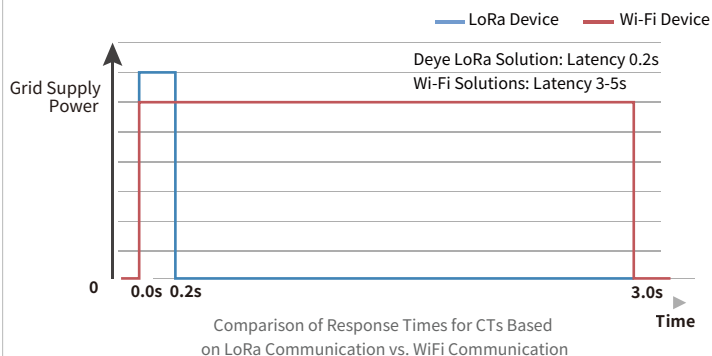
LoRa devices have shorter wake-up times and lower communication latency, ensuring instant response.

In comparison, Wi-Fi devices typically take longer to wake up and may experience longer communication latency due to routing data and commands through the cloud platform.

Excessive latency makes it difficult for household energy systems to maintain stable operation.

If the Internet is not available, the Wi-Fi device may not be able to communicate with the server. But Deye's IoT devices communicate via LoRa protocol, so these devices can continue to conduct local commands.

Zero-Export Function Response Time Diagram





Model SUN-SMART-CT01

Electrical parameters

Connection Type	L1/N(Single phase), L1/L2/L3/N(Three phase)
CT	Secondary current: 50mA
Operation Voltage	85~300V.a.c.(L-N)
Rated Frequency/Range	50Hz(45Hz-55Hz)/60Hz(55Hz-65Hz)
Self Consumption Power	≤2W
AC voltage withstand	4KV/1min

Accuracy

Voltage	±0.1V
Current	±0.01A
Frequency	±0.01Hz
Power	±1W

Communication and Display

Communication Interface	Lora/RS485
Lora Communication Distance	≈200m(Barrier free)
Display	LCD
Display Data	Voltage、Current、Active power、Reactive power、Frequency、Power Factor、Energy

General Data

Operation Temperature	-40 to +60℃
Operation Humidity	0-75%
Ingress Protection(IP) Rating	IP20
Altitude	≤4000
Mounting	DIN-Rail Mounting
Size	53x96x64mm
Weight	0.15kg
Warranty	5 Years
Certification standards	IEC/EN 61010-1

Model SUN-SMART-TX01

Electrical Parameters

Input Voltage	DC 5V
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Communication

Communication Model	LoRa
Communication Distance	≈200m(Barrier free)

Basic Parameters

Operating Temperature Range	-40 to +60℃
Permissible Ambient Humidity	0-100%
Ingress Protection(IP) Rating	IP20(After installation IP65)
Allowable Altitude	≤4000
Product size (WxHxD)	137.8x31.3x31.3mm
Weight	45.8g
Warranty	2 Years
Standard	IEC/EN 62368-1

LoRa Parameters

Frequency Range	863MHz-870MHz
Antenna	Built-in
Antenna Gain	0.56dBi

Model	SUN-SMART-SWITCH01P3
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Electrical Parameters	
Voltage Range	94-238Va.c.(Phase voltage)
Connection Type	L1/N(single phase), L1/L2/L3/N(three phase)
Maximum Current	25Aa.c.(Phase current)
Frequency and Range	50Hz(45Hz-55Hz)/ 60Hz(55Hz-65Hz)
Connection	Connector plug-in type
Communication	
Communication Model	LoRa
Lora Communication Distance	≈200m(Barrier free)
Basic Parameters	
Working Temperature Range	-40 to +45°C
Allow Environmental Humidity	0-100% RH
Ingress Protection(IP) Rating	IP65
Protection level	CLASS I
Allowable altitude	≤4000m
Product size (WxHxD)	96.7x204.7x37.7mm
Weight	0.4kg
Warranty	5 Years
Standard	IEC/EN 61010-1
Lora Parameters	
Frequency Range	863MHz-870MHz
Antenna	Internal antenna
Antenna Gain	1.58dBi@868MHz

Model	SUN-SMART-PLUG01-F
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Electrical Parameters	
Rated voltage	220-250Va.c.
Maximum current	16Aa.c.
Frequency and Range	50Hz(45Hz-55Hz)/60Hz(55Hz-65Hz)
Connection	Plug-type
Communication	
Communication Model	LoRa
Lora Communication Distance	≈200m(Barrier free)
Basic Parameters	
Working Temperature Range	-40 to +60°C
Ingress Protection(IP) Rating	IP20
Protection level	CLASS I
Allowable altitude	≤3000m
Product size (WxHxD)	51.2x51.2x64mm
Weight	0.08kg
Warranty	5 Years
Standard	VDE 0620-2-1;EN 61058
LoRa	
Frequency Range	863MHz-870MHz
Antenna	Internal antenna
Antenna Gain	0.3.23dBi@868MHz



Model	SUN-EVSE11K01-EU-AC		SUN-EVSE22K01-EU-AC	
Product Parameter				
Input Voltage/Range (V)	230/400		230(single phase), 230/400(three phase)	
Connection Mode	3L+N+P		L+N+PE,3L+N+PE	
Input Current (A)	E 16		32	
Input Frequency/Range	50/45-55, 60/55-65			
Maximum Output Power (kW)	11		7(single phase)/ 22(three phase)	
Starting Method	Plug and Charge /Charge after Scanning/Appointment for Charging			
Equipment Protection				
Over Temperature Protection			Yes	
Low Temperature Protection			Yes	
Over Voltage Protection			Yes	
Under Voltage Protection			Yes	
Short Circuit Protection			Yes	
Over Load Protection			Yes	
Earth Fault Protection			Yes	
Leakage Current Protection			DC 6mA	
Surge Protection Level			TYPE II	
General Data				
Operating Temperature Range (°C)	-40 to +55			
Permissible Ambient Humidity	5%~95% No condensation			
Permissible Altitude (m)	≤3000			
Noise (dB)	<25			
Ingress Protection(IP) Rating	IP 66			
Cabinet Size (WxHxD mm)	104x264x57.5			
Weight (kg)	3.7			
Gun Cable Length (m)	4.2			
Number Of Charging Guns	1			
MTBF	100,000h			
Safety EMC/Standard	EN IEC 61851-1:2019, IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021			
Interface				
Communication Mode	LoRa/Wi-Fi/BLE			



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Deye Inverter

ECOBATEnergy





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ECOBAT ENERGY - IMPORTATOR DIRECT

AVANTAJE EXCLUSIVISTE INSTALATORI & REVÂNZĂTORI B2B



Preturi
dedicate

**Pentru Instalatori
& Revânzători**



Termene
de plată

Până la 30 zile



Stoc
permanent
în România



Livrare
imediată

24 - 48 ore



01

Prețuri dedicate

Pentru **Instalatori**
& **Revânzători**



Punem accent pe parteneriatele noastre și recunoaștem rolul vital pe care îl jucați în industria energiei solare.

De aceea, oferim prețuri dedicate și competitive pentru instalatori și revânzători.

Aveți avantajul de a obține produsele noastre la costuri atractive, ceea ce vă permite să maximizați profitabilitatea și să oferiți prețuri competitive clienților dumneavoastră.

Suntem aici să creștem împreună.

02

Stoc permanent

Stoc permanent în România



Avem un stoc amplu de echipamente fotovoltaice în depozitul nostru din România.

Acest lucru ne permite să vă oferim posibilitatea de a ridica produsele imediat după comandă.

Nu trebuie să vă faceți griji cu privire la disponibilitatea sau întârzierile în livrare.

Suntem aici pentru a vă asigura că aveți acces rapid la echipamentele necesare pentru proiectele dvs.

03

Termene de plată
Termene de plată
De până la **30 de zile**



Înțelegem că gestionarea fluxului de numerar este esențială în afacerea dumneavoastră.

Prin parteneriatul cu Ecobat Energy, puteți beneficia de **termene de plată extinse de până la 30 de zile**.

Aceasta vă oferă flexibilitate financiară și vă permite să vă gestionați resursele într-un mod eficient.

Lucrând cu **Ecobat Energy**, veți avea un partener de încredere, **importator direct**, care vă oferă toate facilitățile necesare pentru a vă dezvolta afacerea în domeniul energiei solare.

04

Livrare imediată

Livrare în **24-48 de ore**
oriunde în România



Înțelegem importanța unei livrări rapide și eficiente, într-o piață din ce în ce mai concurențială.

Cunoaștem urgența cu care utilizatorul final își dorește să finalizeze proiectul.

Colaborând cu Ecobat Energy, beneficiați de livrarea comenzilor dvs. în termen de 24-48 de ore, indiferent de locația din România.

Ne angajăm să vă furnizăm produsele la timp, astfel încât să puteți continua proiectele în mod eficient.

Ești instalator sau revânzător de echipamente fotovoltaice?

**Devino partener B2B EcobatEnergy
și beneficiază acum de toate
avantajele exclusive.**

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