

Wireless CT

SUN-SMART-CT02
SUN-SMART-CT02-L

SUN-SMART-CT02-W
SUN-SMART-CT02-WL



Multi-communication Compatibility

- Wired (RS485) & wireless (Wi-Fi/LoRa) communication for flexible installation



Smart Monitoring

- Remote monitoring via Deye Cloud
- Real-time essential data visualization



Intelligent Energy Management

- Auto energy management & scheduling
 - Bidirectional metering
- Single CT per inverter system for synchronized zero-export control



Flexible Integration

- DIN-Rail mounting
- Single-phase & three-phase Compatibility

Model	SUN-SMART-CT02	SUN-SMART-CT02-W	SUN-SMART-CT02-L	SUN-SMART-CT02-WL
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Electrical parameters

Connection Type	L1/N (Single phase), L1/L2/L3/N (Three phase)			
CT(Rated Secondary Output)	50mA/5A			
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	RS485	WIFI/RS485	Lora/RS485	Lora/RS485/WIFI
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°C			
Operation Humidity	0-75%			
Ingress Protection(IP) Rating	IP20			
Altitude	≤3000			
Mounting	DIN-Rail Mounting			
Size	36x94x64mm			
Weight	0.12kg			
Warranty	5 Years			
Certification standards	IEC/EN 61010-1			

Lora Data

Frequency Range	/	863MHz-870MHz		
Antenna	/	External Antenna		
Antenna Gain	/	0.79dBi@868MHz		

WIFI Data

Frequency Range	/	2412MHz-2484MHz	/	2412MHz-2484MHz
Antenna	/	External Antenna	/	External Antenna