

Wireless CT

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

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



Multi-communication & Bluetooth

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



Smart Monitoring

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



Intelligent Energy Management

- Bidirectional metering
- Single CT per inverter system for synchronized zero-export control



Flexible Integration

- DIN rail mounting
- Single-, three-phase compatibility

Model	SUN-SMART-CT02		SUN-SMART-CT02-W	SUN-SMART-CT02-L	SUN-SMART-CT02-WL
Electrical parameters					
Connection Type	L1/N (Single phase), L1/L2/L3/N (Three phase)				
CT(Rated Secondary Output)	50mA/5A				
Operation Voltage	85~300Va.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	Wi-Fi&BT/RS485	LoRa/RS485	Wi-Fi&BT/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	≤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	/		Adhesive Mount Antenna / Suction Cup Antenna		
Antenna Gain	/		-2.81/2.00dBi		
WIFI Data					
Frequency Range	/	2412MHz-2462MHz	/	2412MHz-2484MHz	
Antenna	/	Adhesive Mount Antenna / Suction Cup Antenna	/	Adhesive Mount Antenna / Suction Cup Antenna	
Antenna Gain	/	2.59/2.39dBi	/	2.59/2.39dBi	