

Wireless CT

SUN-SMART-CT02-B

SUN-SMART-CT02-B-W

SUN-SMART-CT02-B-L

SUN-SMART-CT02-B-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-B	SUN-SMART-CT02-B-W	SUN-SMART-CT02-B-L	SUN-SMART-CT02-B-WL
Electrical parameters				
Connection Type	L1/N (Single phase) , L1/L2/L3/N (Three phase)			
CT(Rated Secondary Output)	50mA/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	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°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	/		Adhesive Mount Antenna / Suction Cup Antenna	
Antenna Gain	/		-2.81/2.00dBi	
WIFI Data				
Frequency Range	/	2412MHz-2484MHz	/	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