

Wireless CT

SUN-SMART-CT01



Multi-communication Compatibility

- Wired (RS485) & wireless (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-CT01
Electrical parameters		
Connection Type	L1/N(Single phase), L1/L2/L3/N(Three phase)	
CT (Rated Secondary Output)	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°C	
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	
Lora Data		
Frequency Range	863MHz-870MHz	
Antenna	External Antenna	
Antenna Gain	0.79dBi@868MHz	