

Wireless CT

SUN-SMART-CTU2-L



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

- 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-CTU2-L

Electrical parameters

Connection Type	L1/N (Single phase), L1/L2/L3/N (Three phase) L1/L2/N (Split 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	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	RCM, IEC 61010-1, CE, FCC

Lora Data

Frequency Range	920MHz-928MHz
Antenna	External Antenna
Antenna Gain	0.81dBi@925MHz