

FEATURES:

- Real Time Energy Metering: Voltage, Current, Power Consumption, Power Factor, Frequency, Temperature, Co2 by INCORE2 APP Reading
- Integrated BLE Mesh Module Control
- Voltage Metering Range: 1-500V (AC or DC Voltage)
- Current Metering Range: 10mA-16A
- Certificate: NCC, FCC
- Optional Application: Core Current Transformer or Split Core Current Transform

BLE MESH FEATURES:

- Auto Pairing
- Transmission Range: 30m Between Device and Device
- RF Communication Type: 2.4 GHz
- High Speed Communication: <100ms

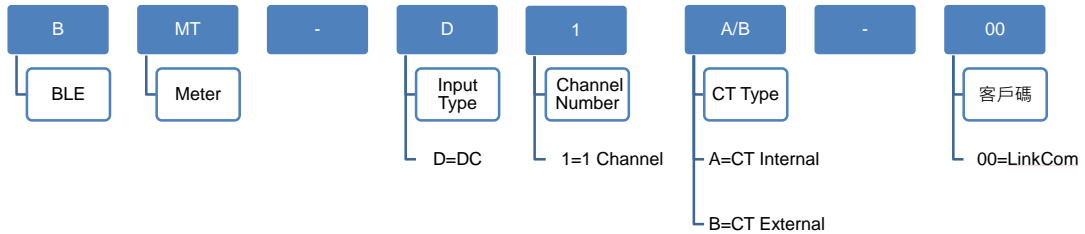
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PRODUCT SPECIFICATION

MODEL	Supply Voltage	Antenna	Dimension (L*W*H)
BMT-D1A-00	3.7-4.2V(Li-ion Battery)	External	54*50*33 mm
BMT-D1B-00	3.7-4.2V(Li-ion Battery)	External	54*50*26 mm

Model Number Code



Measurement Parameters (Input)

Voltage Range	1-380 V
Current Range	10mA-16A ±0.5%F.S
Frequency	47-63Hz
Temperature	Chip Temperature
Power Factor	Measurable
Minimum Energy Variable	0.001kWh
CO ₂	National Standard Formula Calculation

Communication Function

Interface Type	Uart Port TTL Level
Communication Protocol	DL/T 645-2007 And MODBUS-RTU Dual Protocol
Data Form	Default "n,8,1" (No Parity, 8 Data Bits, 1 Stop Bit)
Baud Rate	2400bps-19200bps, Default 4800bps
Data Refresh Interval	≥250ms

Performance

Typical Power Consumption	≤10mA
Power Supply	Isolated DC (3.3-5.0V) Power Supply
Withstand Voltage Rating	AC3000Vrms
Overload Capacity	120%

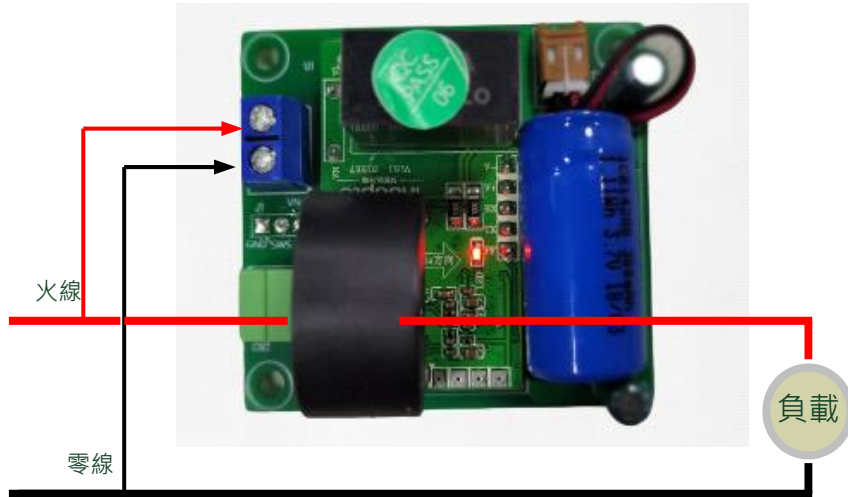
Environment

Operation Temperature	0~+40℃
Relative Humidity	5~95%, No Condensation (Under 40℃)
Altitude	0-3000 Meter
Operation Environment	No Explosion, Corrosive Gas and Conductive Dust, No Significant Vibration and Shock Places

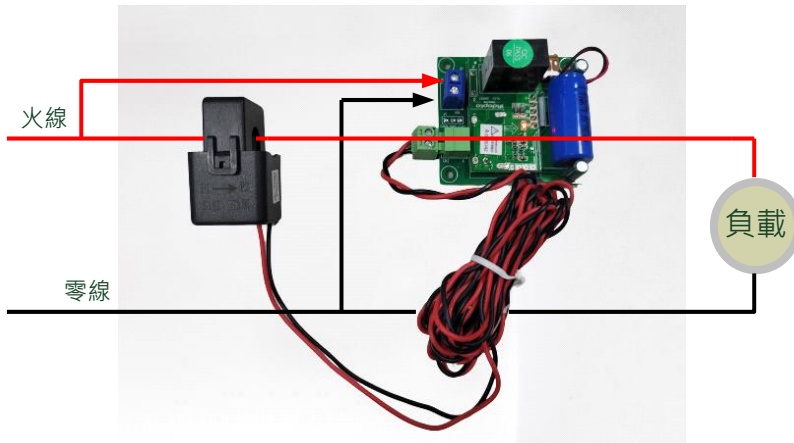
EMC Compliance and Safety

FCC ID	2AOC5LCBTMDXX
NCC	CCA20LP4720T9

Power Meter Module (BMT-D1A-00)



Power Meter Module (BMT-D1B-00)



APP APPLICATION

