

DTSF1946-4M



Programmable
Wide Range of Working Temperature (-40~70 °C)
MID Certification



DEVICES

COMMUNICATION

MONITORING
AND MANAGEMENT

PROJECTS

FUNCTION

- **Wiring**
 - Down in and up out
- **Accuracy**
 - Active energy Class index B
- **Communication**
 - Interface: RS485
 - Protocol: Modbus-RTU

MAIN FEATURES

- **Measuring**
 - V/A/P/Q/PF/F/±kWh
- **Energy Metering**
 - Bi-directional energy
 - Tariffs

APPLICATIONS



Intelligent
Buildings

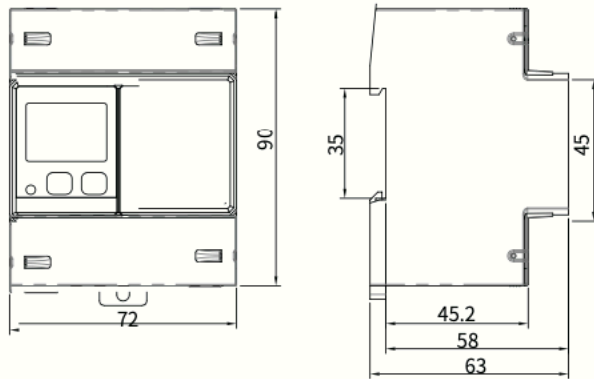


EV
Charger

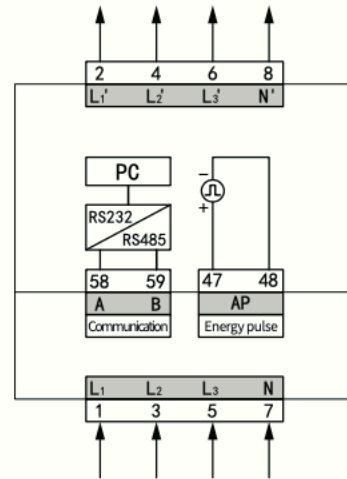


Remote Power
Monitoring

DIMENSIONS



TYPICAL WIRING



DTS1946-4M-01(Three phase, down in and up out)

MODEL

Function	DTSF1946-4M	
Wiring	3P4W	■
Voltage	3×230/400V	■
Current	Direct	0.25-5(63)A
Real-time measurement	U, I, P, Q, S, PF, Hz	■
	THD	■
Energy metering	Bi-directional energy	■
	Four-quadrant reactive energy	■
	Tariff energy	■
Demand		■
Max/Min value		■
Event log		■
RS485 Interface		■
Energy pulse		■
Display		LCD

NOTE: ■: Yes



TECHNICAL SPECIFICATION

Electrical characteristics	
Accuracy class	Class B
Rated voltage	3*230/400V
Frequency	50/60 Hz
Wiring mode	3P4W
Operating voltage range	0.8Un ~ 1.2Un
Power consumption	Power consumption of voltage circuit
	Power consumption of current circuit
Energy pulse	1 channel active energy pulse, pulse width 80ms±20%
Clock error	≤ 0.5s/day
Communication characteristics	
RS485 communication interface	Modbus RTU communication protocol, baud rate up to 9600bps
Mechanical properties	
Dimensions(mm)	72×90×63.5
IP protection	IP20
Ambient condition	
Working temperature	- 25 C ~ +70 C
Relative humidity	(5-95)%, Non condensing
Operating altitude	Altitude ≤ 2000m
Pollution degree	No corrosive gas
Insulation	Resistance of signal, power supply and output terminals to case ≥ 100MΩ