

# FU2040

## Three Phase Stop Digital Solar Power Meter

*FU2040 is a LCD display three phase stop digital solar power meter, metering and displaying all the measured parameters in one circuit and computing four quadrants energy. This model can work in wide temperature range.*

### Features

1. Can measure all the electrical parameters
2. Can compute four quadrants energy.
3. High accuracy 0.5s
4. PT, CT transformation ratio is settable
5. Can work in wide temperature range



### Parameters

Electrical parameters	
Power supply (AC/DC)	AC 85-265V / DC 85-330V Power consumption: <4VA
Measurement parameters	Voltage (Ph-N); Voltage (Ph-Ph); Current; Frequency; PF; Active Power (W); Reactive Power (Q); Apparent Power (S)
Computation	Forward / Reverse active / reactive power energy
Measuring range	30-600V, 0-6A, 45-60Hz
Measuring accuracy	Frequency: 0.1% Electric energy: 0.5%, 1.0% Voltage : 0.2%±0.1V Current : 0.2%±0.001A Power : 0.5% ±0.4W Power Factor : 0.5% ±0.001
Display	LCD display; 3 display; 4 operation keys
Communication	Support RS485 interface port, 32(128) networking, Modbus-RTU communication protocol.
Programmable	Measuring system: 3P4W/3P3W etc Transformation ratio : PT, CT Communication: Address: 1-247; Baud: 1200-19200; Parity bit: N/E/O Energy: reset

**Electrical parameters - continued**

Energy Pulse	Provides active & reactive energy pulse output Pulse parameters can be chosen Range: 0.1-10000kWh/kvarh Dry contact output (1Ax100V)
Connection mode	3P4W, 3P4W BAL, 3P3W, 3P3W BAL, 1P2W, 1P3W
Communication	RS485 Port, Baud: 1200-57600, Standard 38400; Ethernet Port (option)

**Mechanical parameters**

Dimensions (mm)	Mounting panel: 72x72 Thickness: 13 Depth: 60
Mounting	Panel mounting Trepanning: 68x68mm

**Environmental conditions**

Temperature	-25 to +50 °C
Humidity	20%-95%RH, without condensation