HyMeter 300
Three Phase Prepaid Meter

WASION

Design for redential and small commercial consumers
Providing a strong foundation for your Smart Grid initiatives

Technical Data

Description	Value
Voltage	
Reference voltage range	231/400V
Operating voltage range	70% - 115% Un
Current	
Basic current	5A
Maximum current	5(80)A
Starting current	<0.4%lb
Accuracy	Class 1.0
Frequency	
Rated frequency (fn)	50Hz
Frequency range	47.5Hz-52.5Hz
LED Pulse Constant	Default : 800 Imp/kWh - 800 Imp/kVARh Factory Configurable Fixed After Delivery
Temprature	
Normal operation range	-25°C to +60°C
Limit operation range	-40°C to 60°C
Limit range for storage and transport	-25°C to 85°C
Humidity	30%~95%, non-condensing
Power Consumption	
Power consumption in voltage circuit	≤2W
Power consumption in voltage circuit	≤10VA
Insulation Strength	
AC voltage test	4kV
Surge Withstand	6kV
Protection class	Class II
Electromagnetic Compability	
Electrostatic discharge	Contact 8kV, air 1kV
Fast transient burst (Main Circuit)	4.4kV
Immunity to Impulse voltage (IEC62052-11)	8kV, The certictaion was performed at 6kV
External static magnetic field	400mT
Lighting surge	L<->N:4kV
LCD Display	
Digit size	8.0mm x 4.0mm
Number of digit	8
MTBF	≥60.000 Hours
Lifetime	≥10 Years
Dimension	L263 X W176 X H72(mm) (Extended terminal cover)
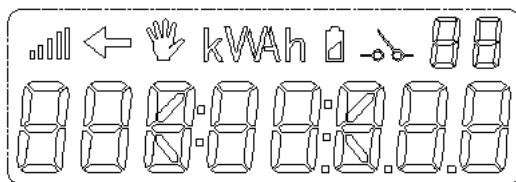
Measurement

- Import and export of active energy
- Instantaneous Voltage, Current, Frequency, Active power and power factor.

LCD Display

- LCD display screen with backlight

Display Function

- Cycle display
- Querying display
- Power down display

Tamper Detection & Alarm

- Magnetic tamper detection
- Meter cover open, terminal cover open when power ond off
- Current reverse
- Bypass & Missing neutral
- Current injection on phase
- Current leakage

Battery

- Super capacitor for at least 48Hours backup power off

Event Record

- Tamper detect (Meter cover open, Terminal cover open, Current reverse, Strong magnetic detect, etc)
- Power quality event (Overload, Power failure, etc)

Optical Interface

- Comply with IEC1107 standard
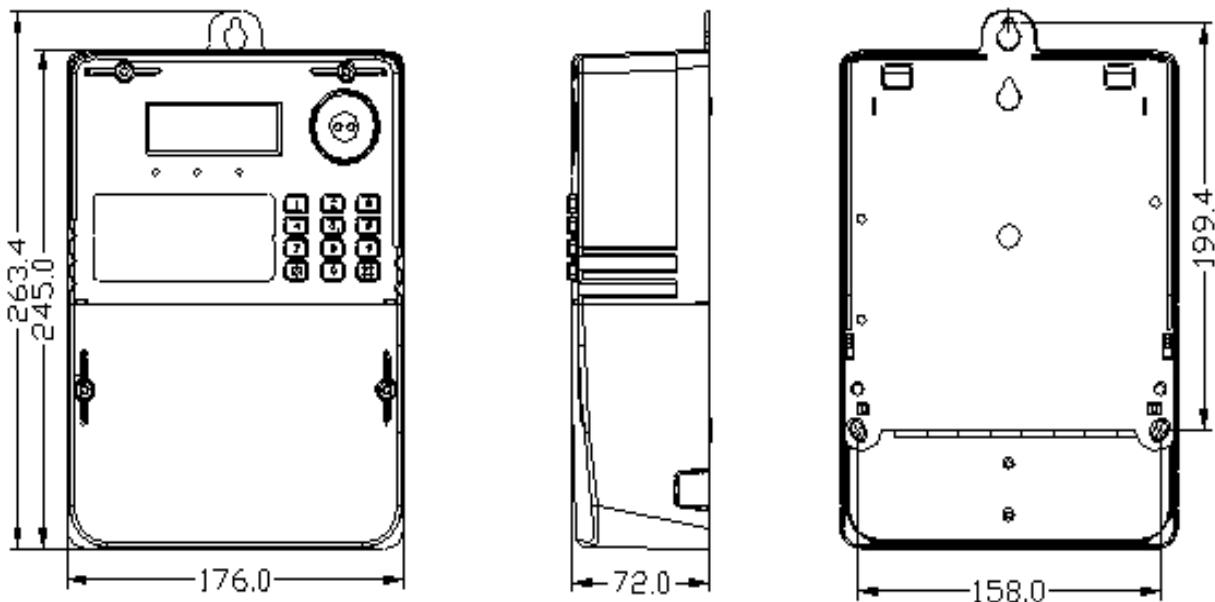
Security

- 20 digit TOKEN for credit transfer, high security and reliability
- Cover open detection

Power Limiter

- Have Function for Limit Power Consumption of the Customer Uses

WASION

263.4
245.0
176.0
72.0
199.4
158.0

Connection Diagram

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

Ri   Ro Si   So Ti   To G Ni   No