

## DDS238 single phase RS485 type static watt hour meter (E1205)



The meter is designed to measure single phase two wire AC active energy. It adopt LSI and SMT technology, the key component are long life international brand product. All of its functions comply with the relative technical requirement for class 1 single phase watt hour meter in IEC62053-21 and its data communication rules obey the requirement of MODBUS. It is a long life meter with the advantage of high stability, high over load capability, low power loss and compact size.

### Basic Function

- ★LCD display 6+2 kWh
- ★ Bi-directional total active energy, reverse active energy measure in the total active energy
- ★Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- ★Reverse LED indicates current reverse
- ★All data store for 15 years at power failure
- ★Infrared and RS485 communication port
- ★RS485 communication protocol can select MODBUS-RTU or DL/T645

### Optional Function

- ★ Remote control function, the meter has function of remote control on/off through RS-485 by meter internal relay
- ★The meter can measure and display the total forward/reverse active energy for solar system measure
- ★Backup battery for LCD display at power failure
- ★M-BUS communication

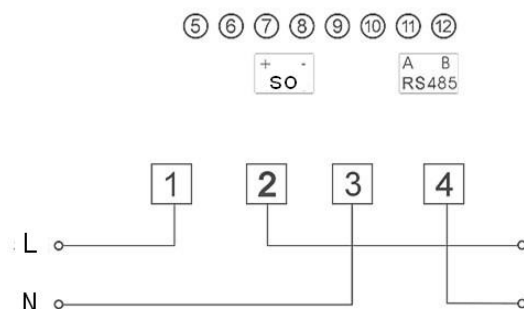
**Noting : other voltage , current are also available . Other function also can be special design as customer requirement**

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### Technical Data

Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8~1.2Un
Rate Current	10(40)A, 5(60)A, 10(60)A, or special required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
IP grade	IP54
Constant	800~6400 imp/kWh
Pulse output	Passive pulse, pulse width is $80 \pm 5$ ms
Communication port	RS485 port, 1200~9600bps Infrared port 1200 bps
Executive standard	IEC61036, IEC62053-21, IEC62052-11
Work temperature	-30°C~70°C
Outline dimension LXMxH	158x112x58mm (short terminal cover L1 ) 222x112x58mm (long terminal cover L2 )
Weight	Approx 0.5kg

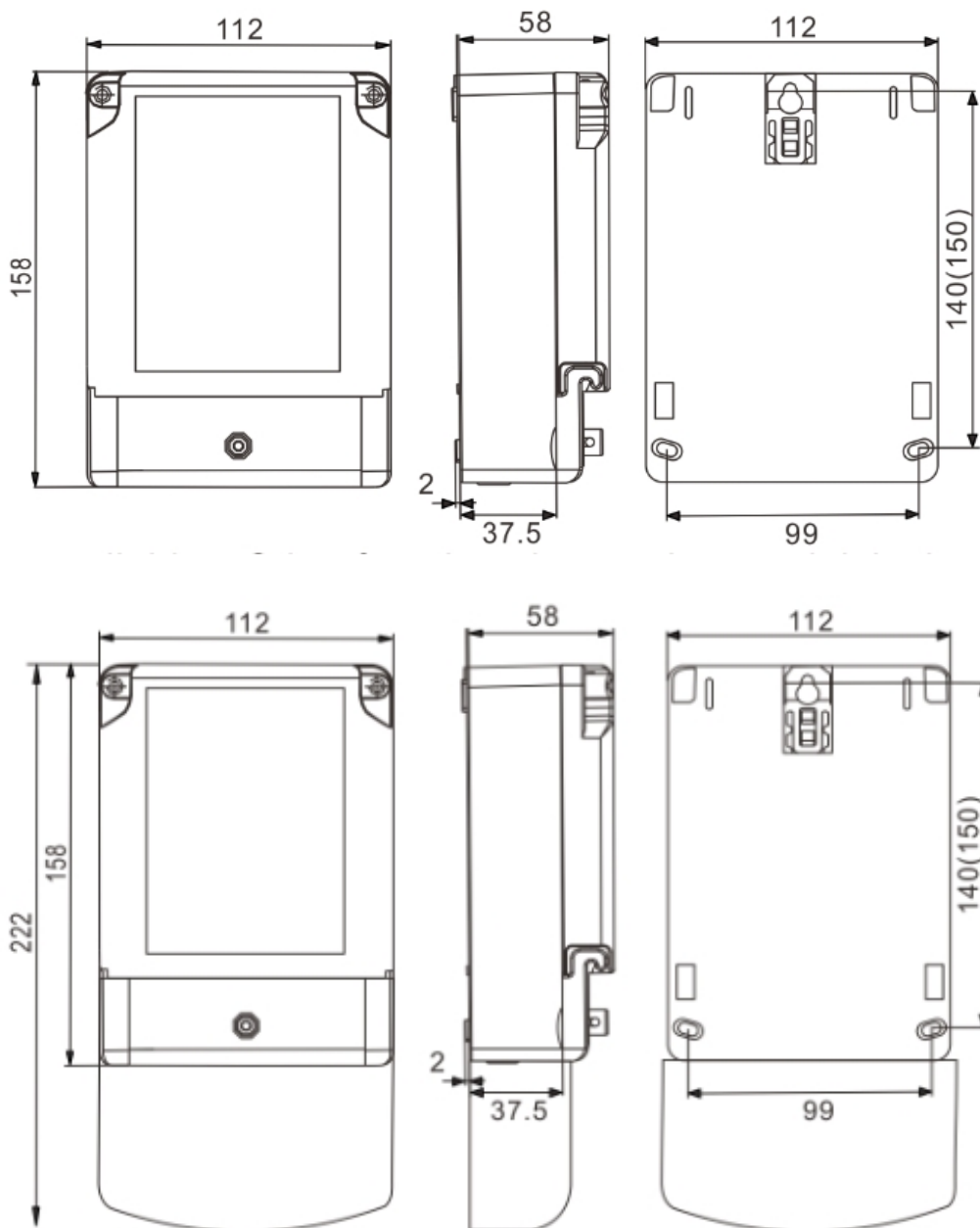
### Wire connection



### Outline dimension

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