

DSS238(E3301)

two phase static kWh meter



The meter is used in two phase three wire power grid(some country called three phase three wire). The meter is designed to measure AC active energy, mainly export to middle and south america market. All of its functions comply with the relative technical requirement for class 1 three phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high over load capability, low power loss.

Basic Function

- Mechanical step register 5+1 or 6 digit no decimal , or LCD display 5+2 or 6+1
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- two phase power supply, the meter also measure when loss one phase(any one wire in two phase three wire)
- Loss phase LED indicates working of phase
- Reverse LED indicates the reverse current direction or wire reverse connect
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- Two type of cases(protective-class I and II) are available

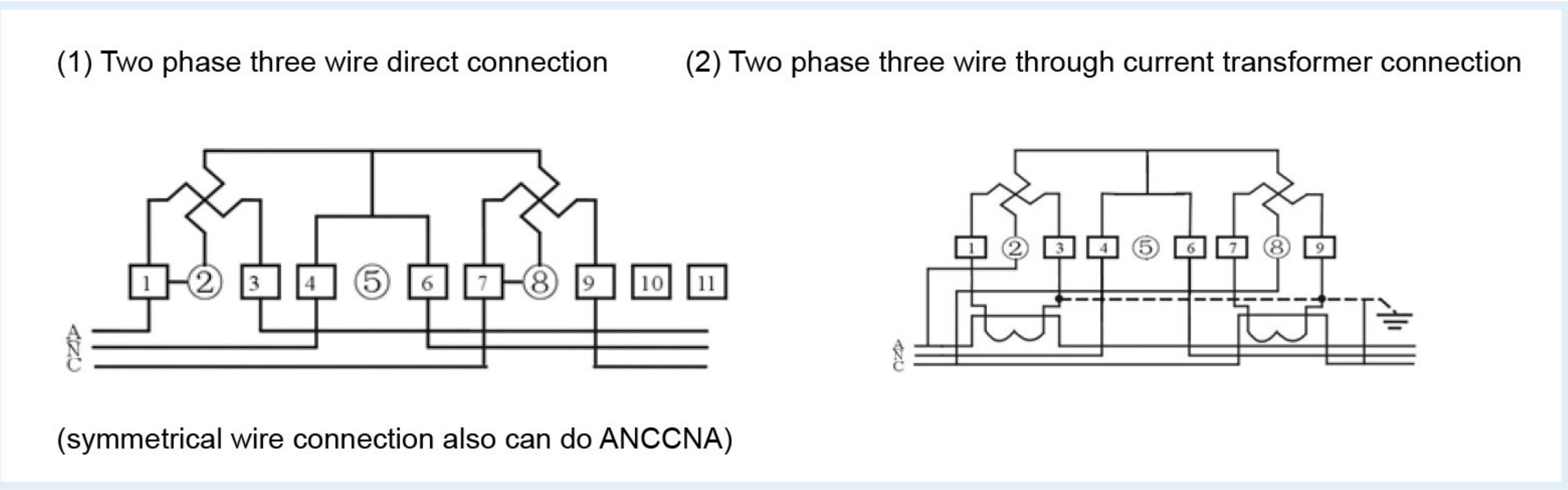
Optional Function

- Internal connection between the voltage circuit hook and current circuit hook in order to anti-tamer
- Battery for display when power off
- Supper capacity for display last 48 hours when power off
- Ultrasonic weld sealing between meter cover and meter base, not used screw

Technical Data

Rate voltage	DSS238 two phase three wire (three phase three wire) 2x120/208V , 2x127/220V , 3x220V, 3X380
Working voltage range	0.8~1.2Un
Rate Current	10(40)A, 5(60)A, 10(100)A, 5(100)A or special required
Frequency	50Hz or 60Hz
Connection mode	Direct type
Accuracy class	1.0
Power consumption	<0.5W/8VA each phase
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2 μ s waveform
IP grade	IP51 or IP54
Constant	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80 ± 5 ms
Executive standard	IEC62053-21, IEC62052-11
Work temperature	-30℃ ~70℃
Plastic case	Anti-fire and ultraviolet rays PC raw material
Outline dimension LXMXH	215x145x69mm (short terminal cover L1) 260x145x69mm (long terminal cover L2)

Wire connection



Outline dimension

