

DDS523 Single-phase Watt-hour Meter

Application

Made with advanced technique by adopting large-scale integrated circuit and highly reliable stepping motors etc., Type DDS523 single-phase electronic watt-hour meters are the newest power counting products in our country to measure single-phase AD active energy with the rated voltage of 220V and the rated frequency of 50Hz. This kind of products can precisely measure active energy both in positive and negative directions. It can add up the results in a same direction. It has the function of anti-stealing electricity. In order to monitor and control active energy easily, it adopts testing signals with light-coupled output and light diodes to indicate the used power capacity. Its technical properties are conformed to the National Standard GB/T17215-2002 Grade I and Grade II Static AD Active Meters and the IEC Standard.

Performance principle

At using the meters, customers can get signal samples through enlargement, multiplication, integral, V/F exchange and divided frequent power on the divided current and divided voltage meters to drive stepping motors and counters add up energy degrees.

Performance index

High accuracy: Tolerance $\leq \pm 1\%$

High sensitivity: Starting current $< 0.4\% I_b$

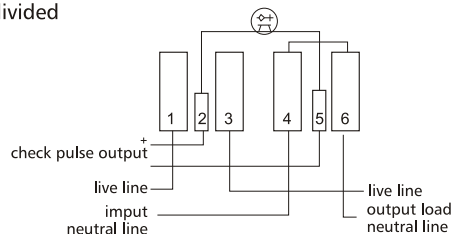
Broad load: Current overloaded multiple > 6 times

Low power consumption: Meter self-consumption $< 0.4w$

High reliability: MTBF $> 1/10$ mil.hr.

Light weight: $< 0.5Kg$

Wiring diagram



DDS523-(A)
Transparent cover



DDS523-(C)
Glass cover



DDS523-(D)
Glass cover



DDS523-(E)
Transparent cover



DDS523-(F)
Transparent cover



DDS523-(G)
Transparent cover



DDS523-(H)
Transparent cover



DDS523-(I)
Transparent cover



DDS523-(J)
Iron base Glass cover



DDS523-(K)
Iron base Glass cover



DDS523-(L)
Glass cover



DDS523-(M)
Transparent cover



DDS523-(N)
Glass cover



DDS523-(O)
Transparent cover



DDS523-(P)
Transparent cover



DDS523-(Q)
Glass cover

Specification and main technical data

Type	Accuracy (Class)	Rated Voltage (V)	Rated Current (A)	Meter Constant imp/kw.h	Connection Mode	Reference frequency (Hz)
DDS523	1 2	110 220 240	2.5(10); 5(20); 5(30) 10(40); 20(80); 10(60)	6400 3200 1600 800	Directly input	50~60