

Din-rail Mounted Energy Meters



General

DIN-rail mounted energy meters are designed for high level performance and easy installation. Our products can measure single-phase or three-phase electrical parameters. They are with LCD display, high reliability, small size, light weight, nice appearance, and easy installation. Products comply with IEC 62053-21 relevant technical requirements.

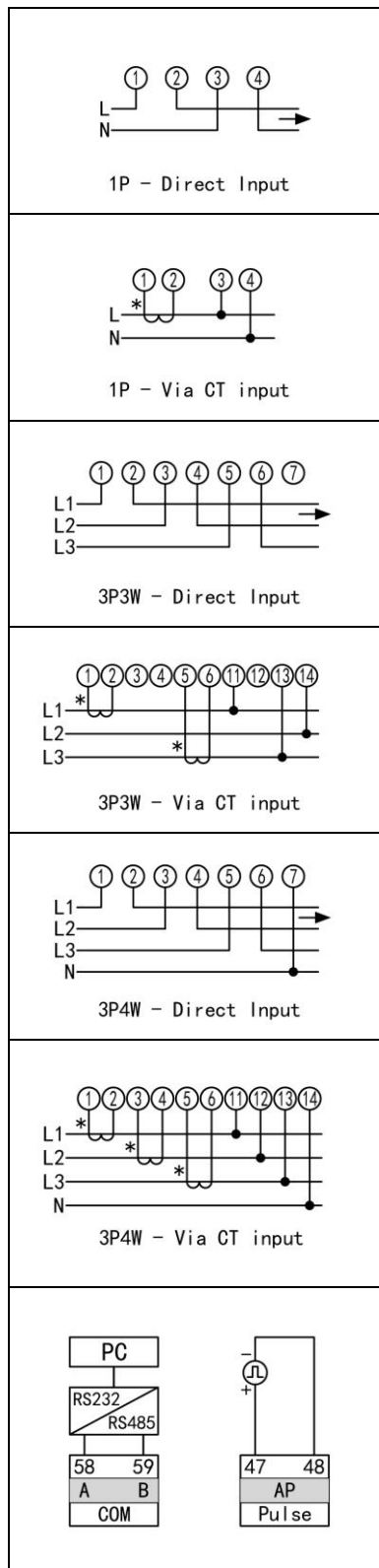
Application

- DIN-rail mounted meter
- Sub-metering
- Remote monitoring

Models		DDS 1946	DDSF 1946	DSS 1946	DSSF 1946	DSSD 1946	DTS 1946	DTSF 1946	DTSD 1946
Wiring	1P2W	■	■	-	-	-	-	-	-
	3P3W	-	-	■	■	■	-	-	-
	3P4W	-	-	-	-	-	■	■	■
Voltage	220V	■	■	-	-	-	-	-	-
	3×100V	-	-	■	■	■	-	-	-
	3×380V	-	-	■	■	■	-	-	-
	3×57/100V	-	-	-	-	-	■	■	■
	3×220/380V	-	-	-	-	-	■	■	■
Current	Direct	5(30)A 10(60)A		5(100)A			5(100)A		
	Via CT	1.5(6)A							
Real-time metering	U/I	■	■	■	■	■	■	■	■
	P	■	■	■	■	■	■	■	■
	PF	■	■	■	■	■	■	■	■
	F	■	■	■	■	■	■	■	■
	THD	-	-	-	-	■	-	-	■
Energy metering	±kWh	■	■	■	■	■	■	■	■
	TOU	-	■	-	■	■	-	■	■
	±kvarh	-	-	-	-	■	-	-	■
Demand		-	-	-	-	■	-	-	■
SOE		-	-	-	-	■	-	-	■
Communication		□	■	□	■	■	□	■	■
Energy pulse		■	■	■	■	■	■	■	■
Display		LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD

Note: "■" means the function exist. "-" means the opposite. "□" means The function is optional.

Wiring



Technical Specifications

Specifications		DDS1946 DDSF1946	DSS1946 DSSF1946 DSSD1946	DTS1946 DTSF1946 DTSD1946
Model				
Accuracy		U & I : class 0.5, kWh : Class 1		
Normal voltage		220V	3×100V 3×380V	3×57.7/100V 3×220/380V
Current	Direct input	5(30)A,10(60)A	5(100)A	
	Via CT input	1.5(6)A		
Frequency		50/60 Hz		
Wiring mode		1P2W	3P3W	3P4W
Voltage rang		0.8Un ~ 1.2Un		
Consumption		< 2VA		
Start current	Direct input	0.004Ib		
	Via CT input	0.002In		
Energy pulse		1 outputs, pulse width (80±20%) ms		
RTC error		≤0.5s/d		
RS485		Modbus-RTU, 2-wire, up to 9600bps		
Dimension (mm)		72×90×63.5	126×90×63.5	
IP		IP54 (Front panel)/IP20 (Meter body)		
Operating temperature		(-10～55)°C		
Storage temperature		(-25～70)°C		
Relative humidity		≤95%		

Dimensions

