

# COMPARISON TABLE



Model	DDS1946-1P+	DDSF1946-1P+	DDS1946-2M	DDSF1946-2M	DDS1946-2P-M	DDSF1946-2P-M	DDS1946	DDSF1946	DDS1946-T	DDSF1946-T
<b>Wiring Method</b>	Up in down out				Down in down out					
<b>Accuracy</b>	Class 1	Class 1	Class B	Class B	Class 1	Class 1	Class 0.5	Class 0.5	Class 0.5S	Class 0.5S
<b>Wiring</b>	1P2W	1P2W	1P2W	1P2W	1P2W	1P2W	1P2W	1P2W	1P2W	1P2W
<b>Voltage</b>	230V	230V	230V	230V	230V	230V	230V	230V	230V	230V
<b>Current</b>	Direct	0.5-10(100)A	0.5-10(100)A	0.25-5(63)A	0.25-5(63)A	0.25-5(63)A	0.25-5(100)A	0.25-5(100)A	-	-
	Via CT	-	-	-	-	-	-	-	0.05-5(6)A	0.05-5(6)A
<b>Measuring</b>	Voltage	■	■	■	■	■	■	■	■	■
	Current	■	■	■	■	■	■	■	■	■
	Power	■	■	■	■	■	■	■	■	■
	Power factor	■	■	■	■	■	■	■	■	■
	Frequency	■	■	■	■	■	■	■	■	■
<b>Energy Metering</b>	±kWh	■	■	■	■	■	■	■	■	■
	Tariffs energy	-	■	-	■	-	■	-	■	■
<b>Width(mm)</b>	18	18	36	36	36	36	72	72	72	72
<b>Communicaton</b>	Modbus-RTU	■	■	■	■	■	■	■	■	■
	MBUS	-	-	-	-	■	■	-	-	-
<b>Energy Pulse</b>	-	-	■	■	■	■	■	■	■	■
<b>Display Mode</b>	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD

NOTE: "■": Yes " - ": No

# COMPARISON TABLE

MID

MID

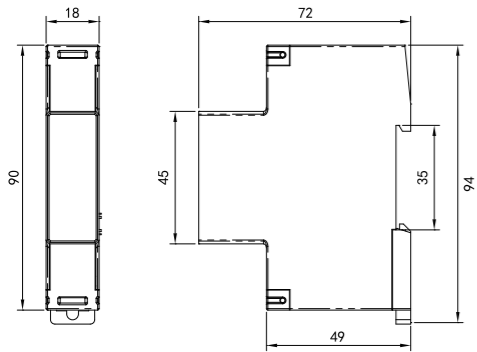


Model	DTS1946-4M	DTSF1946-4M	DTS1946-4M-T	DTSF1946-4M-T	DTS1946-4P-M	DTSF1946-4P-M	DTS1946-4P-TM	DTSF1946-4P-TM	DSS1946	DSSF1946	DSS1946-T	DSSF1946-T	DTS1946	DTSF1946	DTS1946-T	DTSF1946-T		
<b>Wiring Method</b>	Up in down out								Down in down out									
<b>Accuracy</b>	Class B	Class B	Class 0.5S	Class 0.5S	Class 1	Class 1	Class 0.5S	Class 0.5S	Class 0.5	Class 0.5	Class 0.5	Class 0.5S	Class 0.5S	Class 0.5	Class 0.5	Class 0.5S	Class 0.5S	
<b>Wiring</b>	3P4W	3P4W	3P4W	3P4W	3P4W	3P4W	3P4W	3P4W	3P4W	3P3W	3P3W	3P3W	3P3W	3P4W	3P4W	3P4W	3P4W	
<b>Voltage</b>	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	3*400V	3*400V	3*400V	3*400V	3*230/400V	3*230/400V	3*230/400V	3*230/400V	
<b>Current</b>	Direct	0.25-5(63)A	0.25-5(63)A	-	-	0.25-5(63)A	0.25-5(63)A	-	-	0.25-5(100)A	0.25-5(100)A	-	-	0.25-5(100)A	0.25-5(100)A	-	-	
	Via CT	-	-	0.01-1(6)A	0.01-1(6)A	-	-	0.01-1(6)A	0.01-1(6)A	-	-	0.01-1(6)A	0.01-1(6)A	-	-	0.01-1(6)A	0.01-1(6)A	
<b>Measuring</b>	Voltage	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Current	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Power	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Power factor	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Frequency	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	THD	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Energy Metering</b>	±kWh	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Tariffs energy	-	■	-	■	-	■	-	■	-	■	-	■	-	■	-	■	
<b>Width(mm)</b>	72	72	72	72	72	72	72	72	72	126	126	126	126	126	126	126	126	
<b>Communicaton</b>	Modbus-RTU	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	MBUS	-	-	-	-	■	■	■	■	-	-	-	-	-	-	-	-	
<b>Energy Pulse</b>	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Display Mode</b>	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	

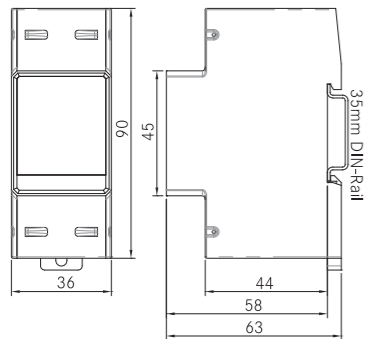
NOTE: "■": Yes "—": No



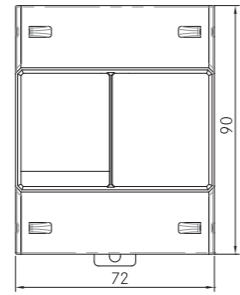
## DIMENSIONS



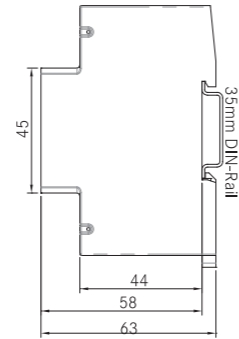
DDS1946-1P+  
DDSF1946-1P+



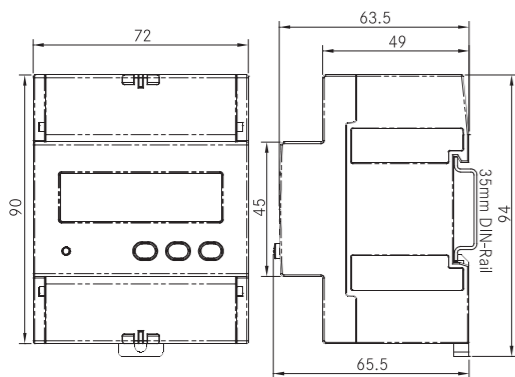
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DDS(F)1946-2P-M



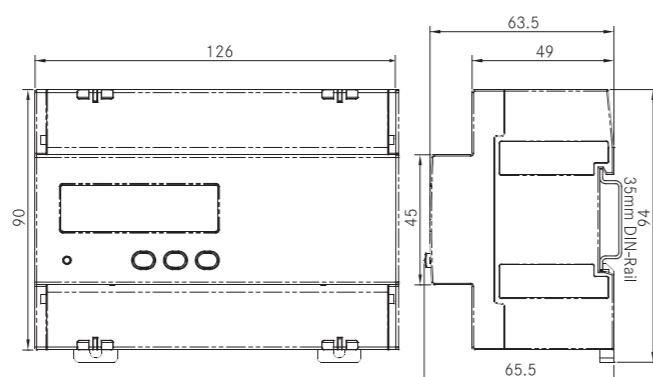
DTS(F)1946-4M  
DTS(F)1946-4M-T



DTS(F)1946-4P-M  
DTS(F)1946-4P-TM



DDS(F)1946  
DDS(F)1946-T

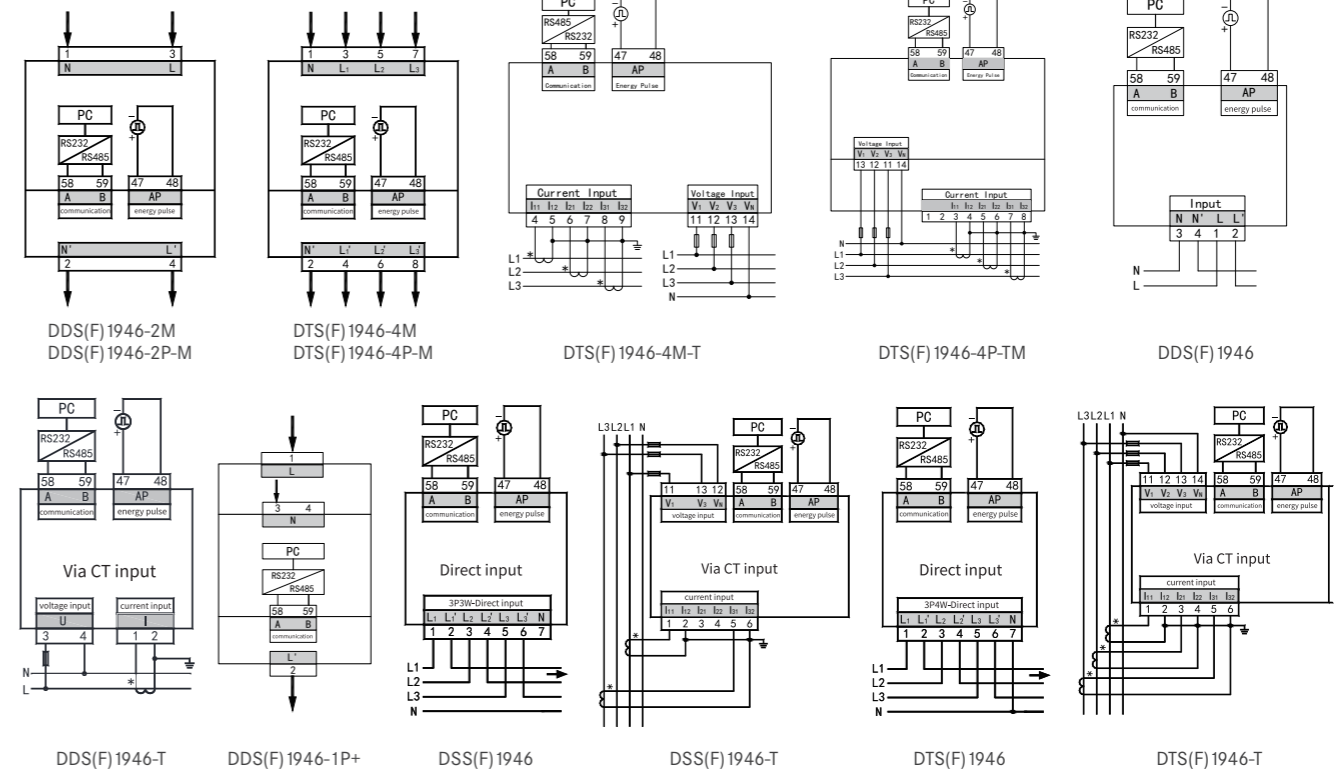


DSS(F)1946  
DSS(F)1946-T

DTS(F)1946  
DTS(F)1946-T



## TYPICAL WIRING



## TECHNICAL SPECIFICATION

Model	DDS/DSS/DTS1946 Series
Normal voltage	230V, 3*400V, 3*230/400V
Frequency	45Hz~65 Hz
Voltage range	0.8Un~1.2Un
Start current	Direct input Via CT input
	0.004Ib 0.001In
Consumption	< 4VA
Energy pulse	1 output, pulse width (80±20%) ms
RTC error	≤ 0.5s/day
Communication	RS485, Modbus-RTU/ MBUS protocol
IP degree	Front:IP51
Operating temperature	-25 C ~55 C
Relative humidity	≤ 93%