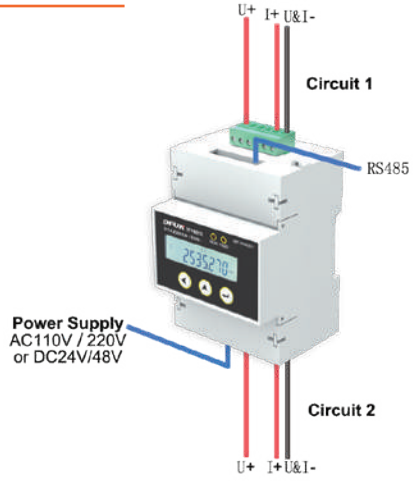
DFPM902 Dual Channels DC Energy Meter

Function



- Applied to DC power supply, EV charger
- High accuracy measurement with Class 0.5
- Support active energy measurement, historical energy statistics, daily energy freeze, multi-tariff energy etc.
- Real-time measre 2 channels U, I, P, kWh (positive side & reverse side)
- Dual channals positive & reverse measurement of active energy
- 6+3 digits LCD display (999999.999)
- With 12 months energy data storage, latest 1 month daily energy freeze and latest 10 event records
- 2 electric pulse output and 1 light pulse output. Comply with DIN43864 standard
- One RS485, support MODBUS, DL/T645-2007 communication protocol

Technical Specification

Measuring voltage	0 ~ 1000V	**Accuracy**	Class 0.5
Measuring current	100A/75mV、200A/75mV	**Pulse output**	50imp/kWh, 100imp/kWh, 200imp/kWh (settable)
	300A/75mV、400A/75mV		
	500A/75mV	**Indicator light**	LED
Power supply	110VAC or 220V, 24VDC or 48VDC (optional)	**Display**	LCD display (999999.999)
Power comsumption	Measuring voltage circuit < 0.5VA Measuring current circuit < 0.1VA	**Working condiction**	Working temperature: -25℃~ 55℃
			Storage temperature: -40℃~ 70℃
	Auxiliary power supply < 2W or < 2VA		Humidity: 5%~95%, no condensation
Insulation property		Power frequency AC voltage: 4.4kV, impluse voltage: 6kV	
Electrostatic discharge immunit test		IEC61000-4-2, Level 4	
RF electromagnetic field immunity test		IEC61000-4-3, Level 3	
Electrical fast transient immunity test		IEC61000-4-4, Level 4	
Surge immunity test		IEC61000-4-5, Level 4	
Conducted emission		EN55022, Class B	
Radiated emission		EN55022, Class B	

Order Information

DFPM902—①—②

Measuring current	
A1	100A/75mV
A2	200A/75mV
A3	300A/75mV
A4	400A/75mV
A5	500A/75mV
Power supply	
P1	DC 24V / 48V
P2	AC 110V / 220V

For example: DFPM902-A3-P1 indicates 300A/75mV measurement current, 1000V measurement voltage, and 24VDC power source.