



SY-16RG

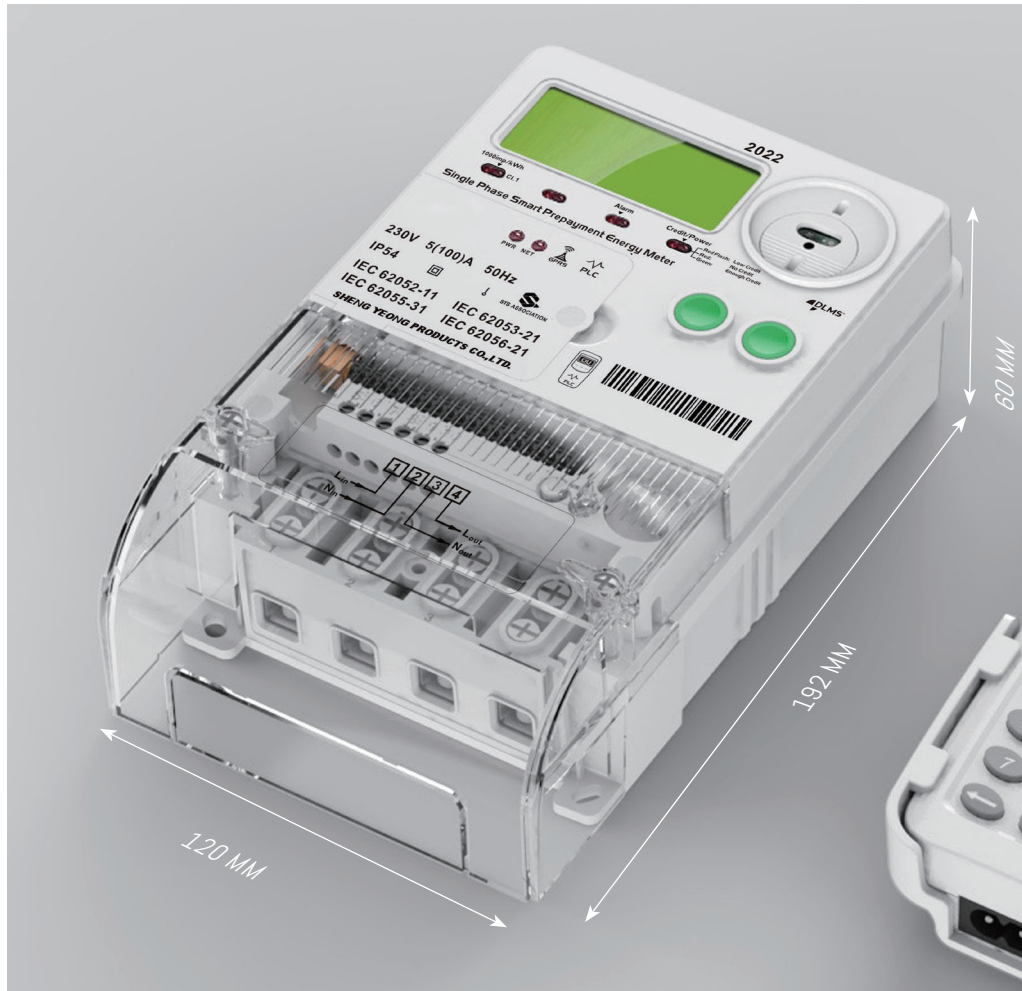
TECHNICAL SPECIFICATION



ELECTRICAL	SPECIFICATION
Reference voltage (Un)	110-120V/220~240V
Operation voltage	70% Un~120% Un
Limit voltage	0% Un~190% Un
Base current (Ib)	5A/10A
Maximum current (Imax)	60A/80A/100A
Frequency	50Hz/60Hz
Frequency range	47.5~52.5Hz
Accuracy class	Cl.1 as per IEC 62053-21
	Cl.2 as per IEC 62053-23
Starting current	0.4% b
Pulse constant	1000imp/kWh
	1000imp/kVARh
IP Grade	IP55
Utilization Class	UC2
Connection Type	LLNN/LNNL

CONSUMPTION	SPECIFICATION
Voltage circuit	<2W, 8VA
Current circuit	<1VA
ENVIRONMENT	SPECIFICATION
Operating temperature	-25° C~75° C
Storage temperature	-40° C~85° C
Humidity	≤95%
Altitude	0~3000m
EMC	SPECIFICATION
Electrostatic discharge (ESD)	Contact discharge: 8kV
	Air discharge: 15kV, IEC 61000-4-2
Fast transient burst	4 kV/100 kHz, IEC 61000-4-4
Immunity to HF Fields	80MHz-2GHz@10V/m with load
Conducted disturbances by RF	150kHz - 80MHz 10V/m, IEC 61000-4-6
Radio Interference	CISPR 22, IEC 61000-4-2,3,4,6
Over-voltage	400VAC for 48 hours, IEC 62053021
Surge immunity	30kA/kV , 4/10μs, IEC 61000-4-5

HIGHLY SECURED METERING & DATA



+ CERTIFICATION

STS 2.0, DLMS/COSEM

+ DIMENSION

120X192X60MM

+ REMOTE COMMUNICATION

GPRS/ PLC/RF EXCHANGEABLE

+ APPLICATION

SINGLE PHASE TWO WIRE

+ WEIGHT

APPR. 0.54KG

+ LOCAL COMMUNICATION

OPTICAL/RS-485 IEC 62056-21

+ COMMUNICATION

PLC, RF, GSM/GPRS

+ BATTERY

1200mAH LITHIUM

+ PROTOCOL

**DLMS MODE E/HDLC &
WRAPPER MODE**

FRAUD DETECTION

- Magnetic field Detection
- Magnetic field immunity
- Covers and terminal cover opening /closing detection
- Input - output swap detection
- Phase - Neutral swap detection
- Mains power cut detection
- Power factor variation detection & more...