

ELIZE —



ELZ254

Three Phase Smart Meter



MODULAR
DESIGN



MULTIPLE
COMMUNICATIONS



ANTI-TAMPER



REMOTE
UPGRADE



TIME OF USE



RELAY



HIGH PROTECTION
DEGREE

Type	Active accuracy	Reactive accuracy	Rated voltage	Specified operation range	Rated current	Starting current	Pulse constant
DT meter	Class 1 (IEC 62053-21)	Class 2 (IEC 62053-23)	3x110/190V	0.8Un-1.2Un	5(100)A 10(100)A 20(160)A	0.004lb	1000imp/kWh 1000imp/kvarh (configurable)
			3x220/380V	0.5Un-1.2Un			
			3x230/400V	0.5Un-1.2Un			
			3x240/415V	0.5Un-1.2Un			
CT meter	Class 0.5S (IEC 62053-22)	Class 2 (IEC 62053-23)	3x110/190V	0.8Un-1.2Un	1(6)A 5(6)A 5(10)A	0.001lb	10000imp/kWh 10000imp/kvarh (configurable)
			3x220/380V	0.5Un-1.2Un			
			3x230/400V	0.5Un-1.2Un			
			3x240/415V	0.5Un-1.2Un			
CTVT meter	Class 0.2S (IEC 62053-22)	Class 2 (IEC 62053-23)	3x57.7/100V	0.7Un-1.2Un	1(6)A 5(6)A 5(10)A	0.001lb	10000imp/kWh 10000imp/kvarh (configurable)
			3x110/190V	0.5Un-1.2Un			
			3x220/380V	0.5Un-1.2Un			
			3x230/400V	0.5Un-1.2Un			
			3x240/415V	0.5Un-1.2Un			

Basic Parameter

Frequency:50/60Hz
Current circuit power consumption≤0.3VA(Without module)
Voltage circuit power consumption≤1.5W/3VA(Without module)
Operating temperature range: -40°C ~ +80°C
Storage temperature range: -40°C ~ +85°C

Type Testing

DT Meter:IEC 62052-11 IEC 62053-21 IEC 62053-23
CT&CTVT Meter:IEC 62052-11 IEC 62053-22 IEC 62053-23

Communication

Optical port
RS485/P1/M-Bus/RS232
DT/CT Meter:GPRS/3G/4G/PLC/G3-PLC/HPLC/RF/
NB-IoT/Ethernet interface/Bluetooth etc.
CTVT:GPRS/3G/4G/NB-IoT
IEC 62056/DLMS COSEM

Measurement

Three elements
Energy:kWh,kVarh,kVAh
Instantaneous:Voltage,Current,Active power,
Reactive Power,Apparent power,Power factor,
Voltage and current angle,Frequency

LED&LCD Display

LED indicator:Active pulse,Reactive pulse,Tamper alarm
LCD Energy display:6+2/7+1/5+3/8+0,default 6+2
LCD Display mode:Button display,Automatic display ,
Power-down display,Test mode display

Tariff Management

8 tariff,10 daily time spans,12 day schedules,12 week
schedules,12 seasons schedules,
100 holidays(configurable)

RTC

Clock accuracy:≤0.5s/day(in 23°C)
Daylight saving time:Configurable or automatic switching
Battery can be replaced
Expected life at least 15 years

Event

Standard Event,Tamper Event,Power Event,etc.
Event date and time
At least 100 event records list(Customizable event list)

Storage

NVM,at least 15 years

Security

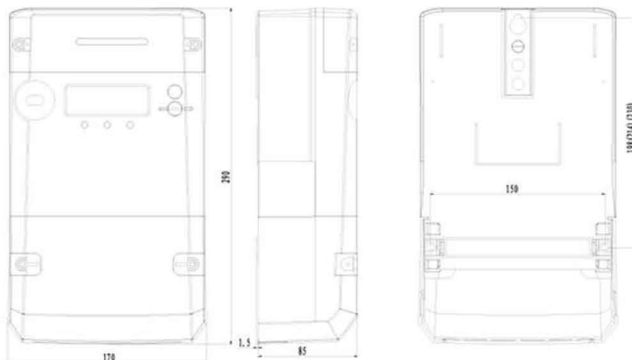
DLMS suite 0/suite 1/LLS

Prepayment Function

Optional

Mechanical

Installation:BS Standard/DIN Standard
Enclosure protection:IP54
Support installation of seals
Meter Case:Polycarbonate
Dimensions(L*W*H):290mm*170mm*85mm



Weight:Approx.2.2kg
Connection wiring Cross-sectional area:(10A) 2.5~16mm²;
(100A)4~50mm²;(160A)4~70mm²
Connection type:(10A)AABBCCNN;
(100A)AABBCCNN/ABCNNCBA;(160A)AABBCCNN