科林电气
KE ELECTRIC

Shanghai Stock Exchange
(SSE) I.D.: 603050

DTSY1277

Three Phase Four Wire Prepayment Energy Meter

- ***Message/Access authentication & Encryption/3 Levels Security Verification***
- ***Compliant with DLMS/COSEM protocol***
- ***Able to record event occurrence time and event codes, capable of storing and reading historical event information***
- ***Supports remote firmware updates and can periodically collect meter data remotely, allowing real-time monitoring of the meter's status***
- ***Supports setting power overload thresholds***
- ***Configurable with 4 time-of-use electricity prices, with the ability to change time-of-use prices based on dates***
- ***Equipped with a keyboard on the meter or can be used in conjunction with a CIU, serving as a prepaid electricity meter***

BS

Multiple Connection Types

Ingress Protection

Remote Connection
Remote Disconnection

RS485

PLC

RF

GPRS

DLMS-COSEM
Compliance

STS Compliance

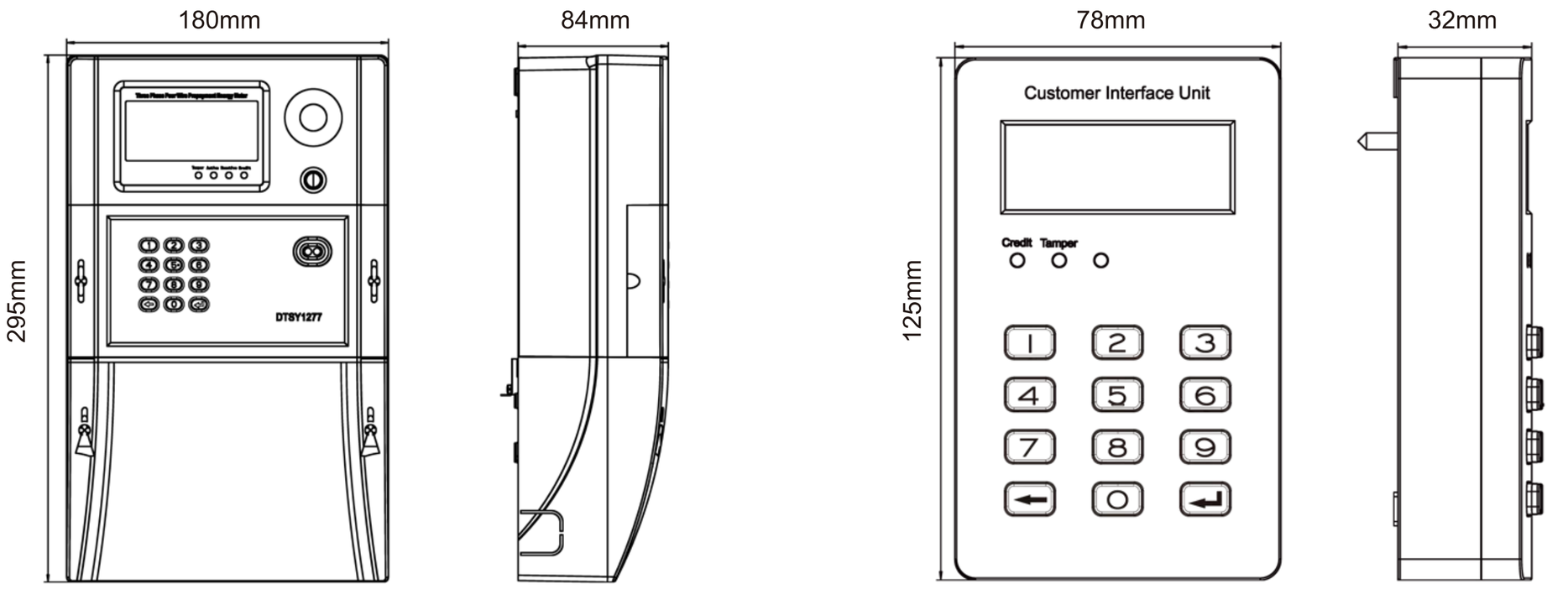
Loading Profile

Event Logs



Product Model: DTSY1277

Dimensions(mm)



Product Model:	DTSY1277
Basic Features:	
Meter Type:	Three Phase, Active/Reactive (4 Quadrant)
Material/Housing Standard:	Polycarbonate Glass Fiber Reinforces/BS
Connection Type:	Three Phase Four Wire
Nominal Voltage (Extended Operating range):	3X57.7V, 220V, 230V(80%~120%) (Optional)
Nominal Current (Max):	Direct Connection: 3X5(100)A (Optional) Via Current Transformers: 3X1(5)A, 1(10)A 5(10)A (Optional)
Frequency	50/60Hz
Power Consumption (Each phase)	<2W/10VA
Accuracy:	Direct Connection: Active:Class1 Reactive: Class2 Via Current Transformers: Active: Class0.5S Reactive: Class2
Meter Constant:	1000imp/kWh (Adjustable according to customized requirements)
Environmental Features:	
Operating Temperature (Coefficient):	–25℃ to + 70 ℃
Limit Temperature (Coefficient):	–40℃ to + 70 ℃
Storage Temperature (Coefficient):	–40℃ to + 85 ℃
Relative Humidity:	Up to 95% non–condensing
Dust and Water Protection Class:	IP54
Communication Interface:	
Local Communication:	RS485/Optical
Communication Module	PLC/RF/GPRS
Communication Protocol:	DLMS/COSEM
Keyboard	Equipped with a keyboard on the meter, in conjunction with CIU (Optional)
Other Features:	
LCD:	8 digit with 5 digit OBIS code
Instant Measurement:	Measuring instant current, voltage and power factor
Tariffs:	4 tariffs, 8 daily tariffs, 8 weekly tariffs, 6 seasonal tariffs (Optional)
Load Profiles:	8 channels for registering the load profile with programmable sampling time.
Logging:	Each individual event can be recorded at least 20 times
Anti-Tampering:	Fraud/Tampering detection and logging (Optional)
Remote Control:	Remote disconnect/Reconnect using relay
Remote Metering:	Remote on demand/Scheduled meter reading
Security:	Message/Access authentication & encryption
Power/Alarm Management:	Power quality/Load process and alarms/Events management
Battery Capacity	⩾1200mAh
Dimension	Meter:295mm(L)*180mm(W)*84mm(H) CIU:125mm(L)*78mm(W)*32mm(H)

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