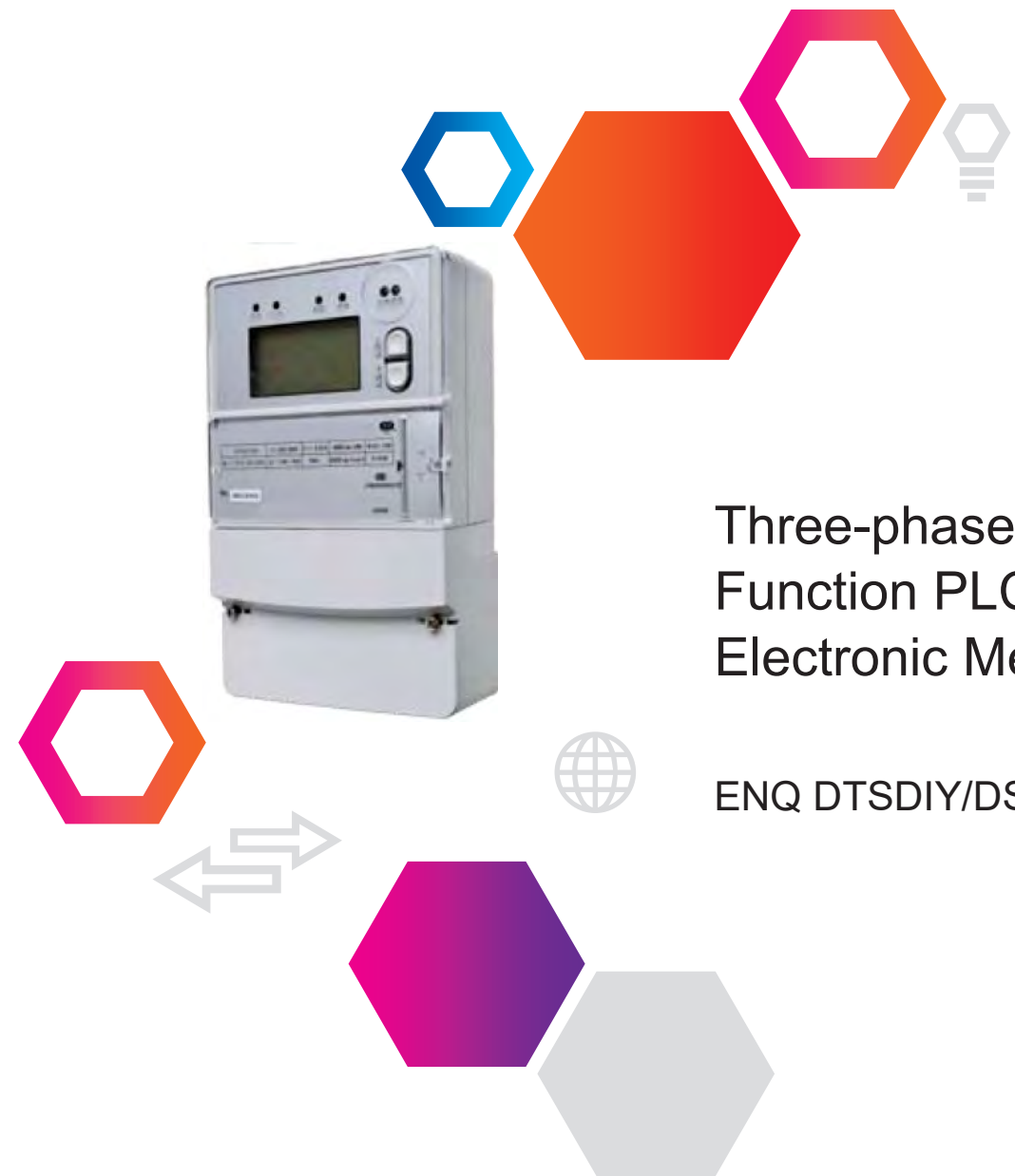


INNOVATIVE THINKING TO ANTICIPATE YOUR NEEDS

EnQ Smart Meters from Sieco-Tech are advanced, robust and versatile electricity meters designed to suit the needs of both today's smart utilities and their customers. Designed to provide the strict accuracy you've come to expect, EnQ Smart Meters also offer state of the art communications options and advanced metering infrastructure features to keep the information and tools needed to manage your complex business at your fingertips.

With models suited for residential, commercial and industrial metering applications, EnQ meters are ready to connect your customers to your AMI, with a variety of connectivity platforms using modern industry standard protocols.

Durability, reliability and serviceability are as important to Sieco-Tech as they are to our customers. The integrity and security of the data and status information collected by our meters is a key element of EnQ's internal operating system. Compatibility with other key AMI components make EnQ meters an easy solution for deployment. These important principals make Sieco-Tech EnQ meters a smart choice for your smart grid.



Three-phase Multi-Function PLC Prepaid Electronic Meter

ENQ DTSDIY/DSSDIY 501





Multiple Customer Metering System

Brief introduction

EnQ DTSDIY/DSSDIY501 is a three-phase multi-function PLC prepaid electronic meter specially designed and manufactured as a new meter with modern advanced technology level and based on the recent condition and requirements of our industry clients and the large-scale ICs, the technologies of digital sampling and SMT are applied.

It accurately measures the three-phase active/reactive electric energy and the active

Maximum Demand, and records the parameters in the condition of power failure. It features pre-paid by a smart IC card. The meter features 4 tariffs, 10 periods, meter ID, user ID and settings to meter ID, RS485 communication interface as well. The performance and protocol of the meter are in line with the requirements of many international standards throughout the world.

Communications: Internet Protocol (IP) communications capable. Meter can establish an internet connection and communicate metering and status information via standard File Transfer Protocol (FTP)

Event log: Record events such as under-voltage, over-voltage, and meter programming, including occurrence number and time. Includes a power failure information recording function

Time Of Use (TOU): the meter provides the capability of 4 rates, 80 time segments, 4 seasons, 10 day schedules (day-type table) supporting weekends and holidays. Each rate has a separate register to accumulate energy consumption.

Interval Data Logging: The meter records the kWh consumed for every consecutive time interval for every metering point. Logging interval times are selectable from 5 minutes to 24 hours. Data remains in memory for a minimum of 96 days at 1 hour intervals

“ Innovative metering and network applications from Sieco-Tech to empower your business. ”

DEREK CHIU; CEO SIECO-TECH CANADA INC.

Next-generation Multi Meters Features

PRECISION

An embedded, high-speed, high-precision module of sampling AC voltage and current is applied and it has a higher sampling precision and real-time energy metering accuracy. Metering both active and reactive power quantities and maximum demand in bi-direction at different tariffs, and with dual 485 communications interfaces, LCD display by manual and IR powered after power failure.

SMART CARD

With pre-payment features, a smart card can be used for purchasing electricity. It can also be used for the operations of testing, programming, inspection and credentialing a system reset. The meter accepts authorized cards, such as, testing cards, timing cards, programming cards, checking cards and reset cards. On meter programming can be enacted using card credentials.

POWER

With an excellent EMC, our meters can withstand a high-voltage spike pulse, a strong magnetic field, a strong electrostatic and lightning surge interference. It has an excellent temperature adaptive capacity. Continuous service even during a power failure in any phase (3-phase 3-wire or 3-phase 4-wire). Even with extremely low power consumption.

INDOOR-OUTDOOR

A sealed design with PVC waterproofing and fire retardant materials. An in wall-unit is composed of lighter weight composites and is easy to install.

Model	ENQ DTSDIY501 / DSSDIY501
Accuracy	Active: (0.5S, CL 1), Reactive: CL 2
(V) Reference voltage	3×220/380 3×57.7/100
(A) Basic current	3×1 (2) 3×5 (20) 3×10 (60) 3×20 (80) 3×1.5(6) 3×10(40) 3×15(60) 3×30(100)
Dimensions	293mm×175mm×78mm
Weight (kg)	2.5
Normal operation voltage	0.8Un~1.15Un
Voltage circuit consumption	≤2W and 5VA
Battery voltage for power failure	6.0VDC
Battery voltage for data	3.6VDC
Clock accuracy (error per day)	≤0.5s
Battery capacity	≥ 1000mAh
Data retention at power failure	≥10years with a new battery
Data retention on battery power at failure	≥1h
Normal operation temperature	-25°C~+55°C
Storage and operating humidity	≤85%
Number of tariffs	4
Number of periods	10
Range of registration	~999999.99 kWh
Display	LCD