

SINGLE-PHASE ELECTRICITY METER

# DDSY168-S







## Split Prepaid Keypad Electricity Meter

The DDSY168-S is a dual-power-source, split-type STS prepayment electricity meter in a standard BS-footprint housing. The meter sits in a secure cabinet while a separate keypad unit goes inside the home, giving utilities and landlords a proven revenue-protection tool that meters grid and alternative supplies without any extra components.




DDSY168-S split prepaid electricity meter


KEY CAPABILITIES

 <p><b>20-digit STS</b> Secure token encryption</p>	 <p><b>Split MCU + UIU</b> Meter kept out of reach</p>	 <p><b>Dual power source</b> Grid + alternative supply</p>
 <p><b>Load management</b> Disconnects on overload</p>	 <p><b>Tamper detection</b> Logs cover &amp; reverse events</p>	 <p><b>PLC / RF / GPRS</b> AMR &amp; AMI ready</p>


### APPLICATIONS

-  Residential prepaid electricity


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-  Landlord & tenant sub-metering


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-  Revenue-protection deployments


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-  Municipal & utility billing


### KEY FEATURES

-  20-digit STS token encryption


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-  Prepaid and credit hot-swap modes

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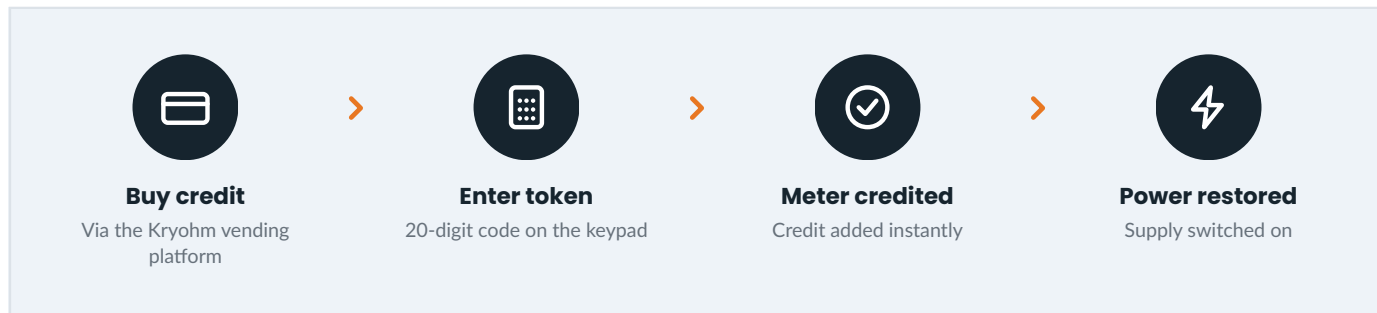
-  Programmable load limit & low-credit warning

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-  Time-of-Use (TOU) multi-tariff support

## How It Works

The DDSY168-S splits into two parts. The Metering & Control Unit (MCU) is installed in a secure cabinet away from the consumer, while the User Interface Unit (UIU) keypad sits inside the home. The two are linked by a galvanically-isolated cable, with PLC or RF communication available on request. Consumers buy credit and recharge by entering a 20-digit STS token.



### BUILT FOR REVENUE PROTECTION

**Tamper detection logs cover-opening, reverse connection and black-out events, while load limits and remote disconnection protect income at every point.**

## Key Advantages



### Protects Revenue

STS encryption, tamper logging and load control safeguard income at every metered connection.



### Flexible for Operators

Prepaid and credit hot-swap modes, Time-of-Use tariffs and remote load control suit any billing model.



### Simple to Deploy

The standard BS-footprint housing and separate keypad make installation and consumer access straightforward.

## Technical Specifications

Nominal voltage	230 V	Operating range	70% to 120% Un
Frequency	50 / 60 Hz	Basic current (I <sub>b</sub> )	5 A
Maximum current (I <sub>max</sub> )	80 A	Starting current	20 mA
Accuracy class	Class 1.0 (IEC 62053-21)	Energy constant	1000 imp/kWh
Communication	PLC / RF / GPRS	Operating temp.	-25°C to +70°C
Ingress protection	IP54	Insulation	Protective Class II