

OMNIPOWER®

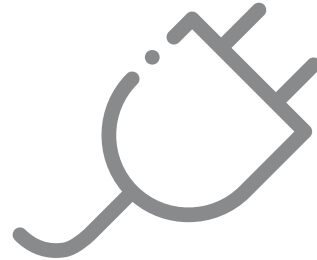
kamstrup

Facts  
Advantages  
Benefits



## The full benefit of a smart grid

The smart electricity meter is one of the main components of a smart grid. In addition to measuring the power consumption, the smart electricity meter is the central element that allows the utilities to gain the full benefit of the smart grid. OMNIPOWER® is our answer to an electricity meter with high reading performance and smart functions that ensure operation stability and an experience of good end-user service.



# OMNIPOWER®

## One-phase, three-phase and CT electricity meters

Facts	Advantages	Benefits
Voltage quality measurements based on EN 50160	<ul style="list-style-type: none"> <li>Frequency accuracy</li> <li>Time stamping of power cuts</li> <li>Registration of configurable levels – overvoltage and undervoltage</li> <li>Detection of fluctuations in the supply voltage</li> <li>Detection of supply voltage failures and unbalance</li> </ul>	<ul style="list-style-type: none"> <li>A stable supply</li> <li>A comprehensive data basis for analysis purposes</li> <li>Failure of freezer, heat pump, etc. is discovered at an early stage as all fuse failures are detected</li> </ul>
Shunt technology	Immunity to electrical noise and magnetism	Correct meter data and elimination of tampering possibilities
Registration of missing neutral conductor	Automatic disconnect	Minimisation of damages to household appliances
Smart disconnect	On-demand disconnect of consumers in case of, for example, load limitations or non-payment	Possibility of disconnecting bad payers
Immune to magnetic influence	Registration of attempts to affect a meter	<ul style="list-style-type: none"> <li>Ensures correct measurements</li> <li>The meter calls the attention to attempts of tampering</li> </ul>
Communication technology via modules	Optional communication – can be mounted from factory or retrofitted	<ul style="list-style-type: none"> <li>Flexibility for the installer</li> <li>Requires no reverification</li> <li>Future-proof – all new technologies can be implemented subsequently</li> </ul>
Consumer Communication Channel module port	Open port for wireless communication with smart-home equipment	Easy access to own consumption data via smart-home apps.
Historical data	Provides detailed information about consumed and produced energy	Overview of the consumption in case of doubt or disputes
Smart metering-based prepayment	Possibility of prepaying a specific number of kWh	Payment of each consumed kWh
AES 128 encryption	Safe meter data transmission	Data is protected according to the personal data protection act
DLMS/COSEM and IEC 62056-21 data collection protocols	Ensures a standardised interface for every data collection system supporting these protocols	Easy integration with external systems
Installation	<ul style="list-style-type: none"> <li>Easy installation – 1 screw</li> <li>Display shows instantly if the installation is correct</li> </ul>	<ul style="list-style-type: none"> <li>Time saving for the installer</li> <li>Minimised access to the installation</li> </ul>
Internal consumption	Lowest own consumption on the market. An own consumption of 1/5 compared to a mechanical meter	<ul style="list-style-type: none"> <li>Environmentally careful</li> <li>Economic benefit</li> </ul>
Recyclable materials	Low environmental impact	Social and environmental responsibility
Load control module	Automatic connect and disconnect based on profile	High energy efficiency

Facts – Advantages – Benefits

## We create progress for others

Kamstrup is a world-leading supplier of energy and water metering solutions. We use our superior technology, a deep understanding of the customers' needs and our expertise to deliver more intelligent, reliable and cost-effective ways to measure and control the supply and consumption of energy and water. We define success by the progress we create for others, and it is our first job to help our customers to run a better and more efficient business.

We are inspired by better; we never accept second best and lead by example by always searching for new ways to increase our learning and turn possibilities into advantages. Through our leadership, expertise and passion for partnerships, we always think ahead in the pursuit of a brighter energy and water future.

We are represented in more than 60 countries worldwide by local sales and subsidiary offices or by distributors.



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## Think forward

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### **Kamstrup A/S**

Industrivej 28, Stilling  
DK-8660 Skanderborg  
T: +45 89 93 10 00  
F: +45 89 93 10 01  
info@kamstrup.com  
kamstrup.com