

# High current metering

## BEC66 range

The BEC66 series of metering solutions are specifically designed for high current, industrial customers, metering up to 250A per phase. This robust meter provides extensive tamper protection, even in the absence of an incoming supply, as well as protection against power overload and extreme temperatures.



### Features

- > Optional intelligent commissioning
- > Tamper protection
- > Programmable power overload functionality
- > Thermal protection of terminals
- > Base current of 30A and starting current of 0.15A
- > Calibration retained over life of meter
- > Capable of supplying 172.5kW



We see a world where we can all achieve more while using less



We help utilities maximise their service delivery



Our products, solutions and services are simple, efficient and innovative

# Product specifications

## Voltage ratings

Nominal voltage (-20% +15%) 220VAC - 240VAC  
 Supply frequency (±2%) 50Hz

## Current ratings

Base current ( $I_b$ ) 30A  
 Max current ( $I_{max}$ ) 250A  
 Min starting current Class 2 0.15A  
 Utilisation category UC3

## Nominal power consumption

2.5W and 18VA

## Accuracy

Class 2 (maintained throughout life cycle of product)

## Over voltage rating

420VAC for 48 hours

## Short circuit rating

Short-circuit withstand 7.5kA

## Protection

Power overload Thermal overload  
 Current overload Phase imbalance

## Environmental

Operating temperature -10°C to +55°C  
 Storage temperature -25°C to +70°C  
 Humidity 95% non-condensing  
 IP rating IP 54  
 RF immunity 30V/m

## Status indicators

Load / power status  
 Rate LED (333 pulses / kWh)

## Installation

Footprint Metal box mounted with asymmetrical brackets  
 Insulation class Double insulation

## Terminals

	Live	Neutral	Communication
Maximum cable size	185mm <sup>2</sup>	185mm <sup>2</sup>	0.7mm <sup>2</sup>

## Interrogation

Type Flags probe

## Security

Meter housing Security seals  
 Terminal cover Serialised plastic security seals  
 Tamper protection Tamper terminal cover  
 Load disconnection on tamper detection  
 No power tamper (optional)

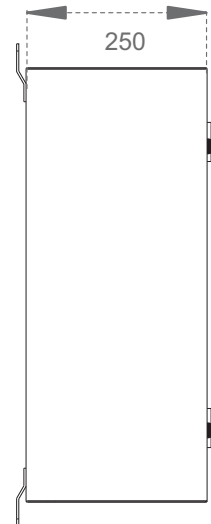
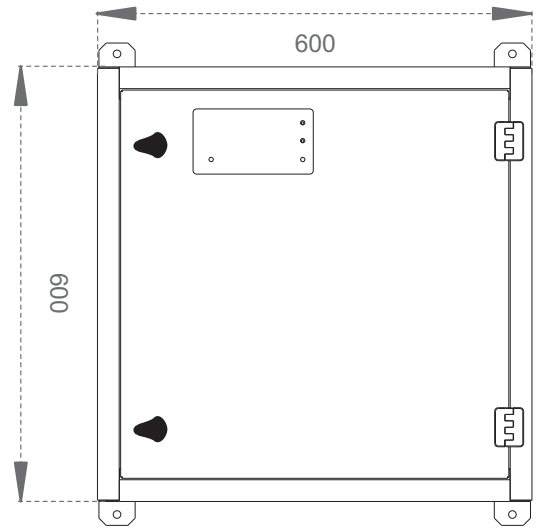
## Standards

IEC 62052-11 IEC 60068-2-6  
 IEC 62053-21 ISO 14001:2004  
 IEC 62055-41 ISO 9001:2008  
 IEC 62056-21  
 IEC 60068-2-27

## Packaging

Units per box 1  
 Box weight (incl box) 36kg

For further packaging information, kindly contact Conlog



## Conlog

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