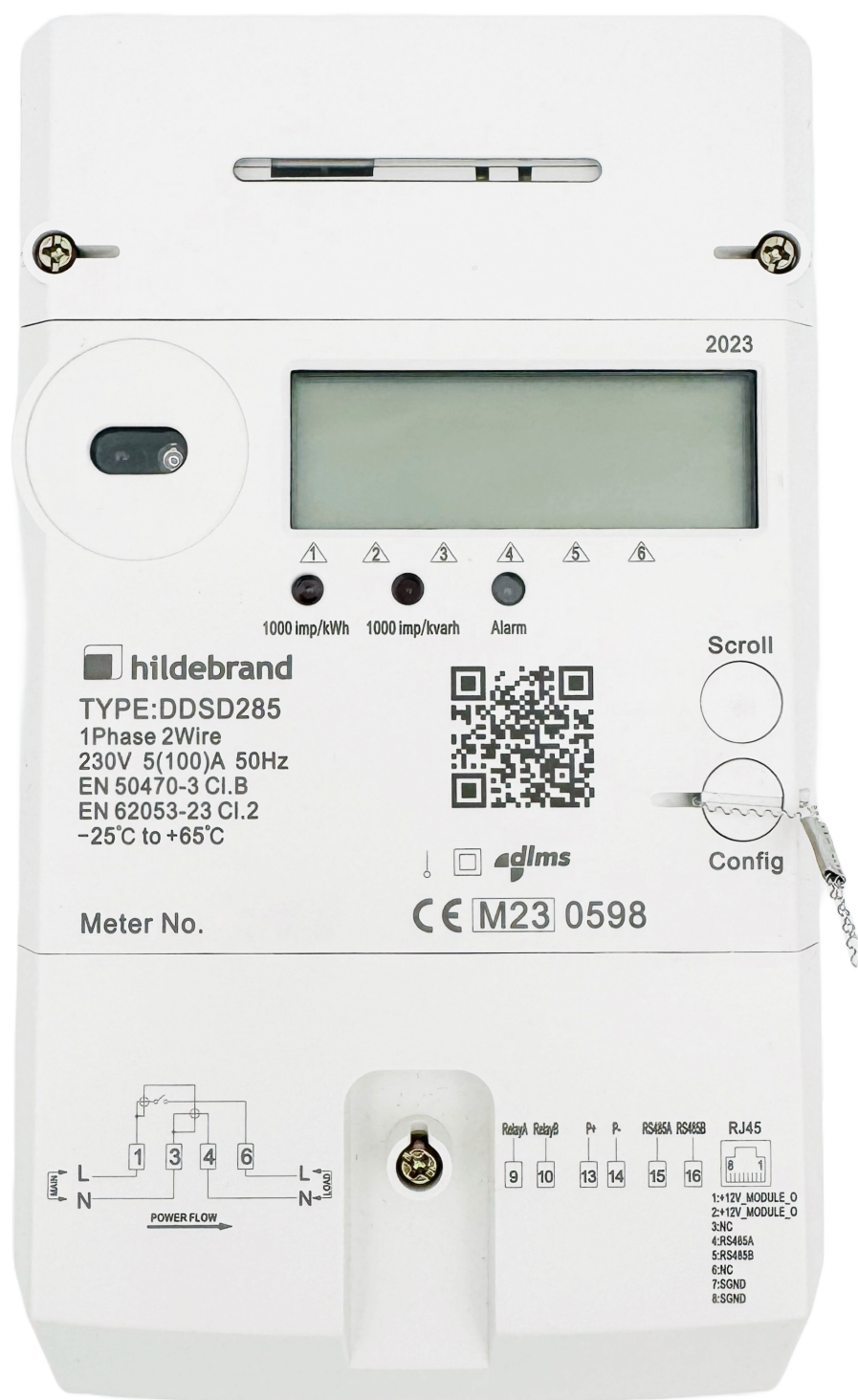


Glow 285

Single Phase Meter



MID Compliant

Wi-Fi / NB-IoT

A submetering solution that offers an easy way to access electricity data for billing and consumption insights.

The Glow Meter functions like a smart meter with simple installation and provides data to the Glow ecosystem while supporting local management through mobile applications.

Applications

- Programmable and customisable meter
- Real-time electricity monitoring
- Integration with a range of submetering products into one cohesive solution
- Electricity billing for large scale properties in both residential and non-domestic settings

Processing and Memory

- 32-bit micro-controller and 4MB flash memory to capture granular data
- Espressif 160MHz Dual core processing unit
- Software embedded with full traceability of source code, increasing security and performance

Communication

- Integrated WiFi, Bluetooth, and optional NB-IoT or 2G
- Setup available through mobile application via Bluetooth or online when connected to WiFi

Features

- Available as direct current and current transformer
- LCD Display for manual checks
- Time synchronization
- Battery-powered internal clock
- Custom Glow Communications board
- Easy installation with local or remote commissioning support
- Remote view via secure internet connection
- Automatic firmware updates with failsafe mode
- Bundled NB-IoT or 2G with global connectivity via eSIM
- Alerts for disconnection and communication errors
- Local and remote logging of events
- Tamperproofing with sealable screws



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Glow285_DataSheet_v3.pdf



Technical Information

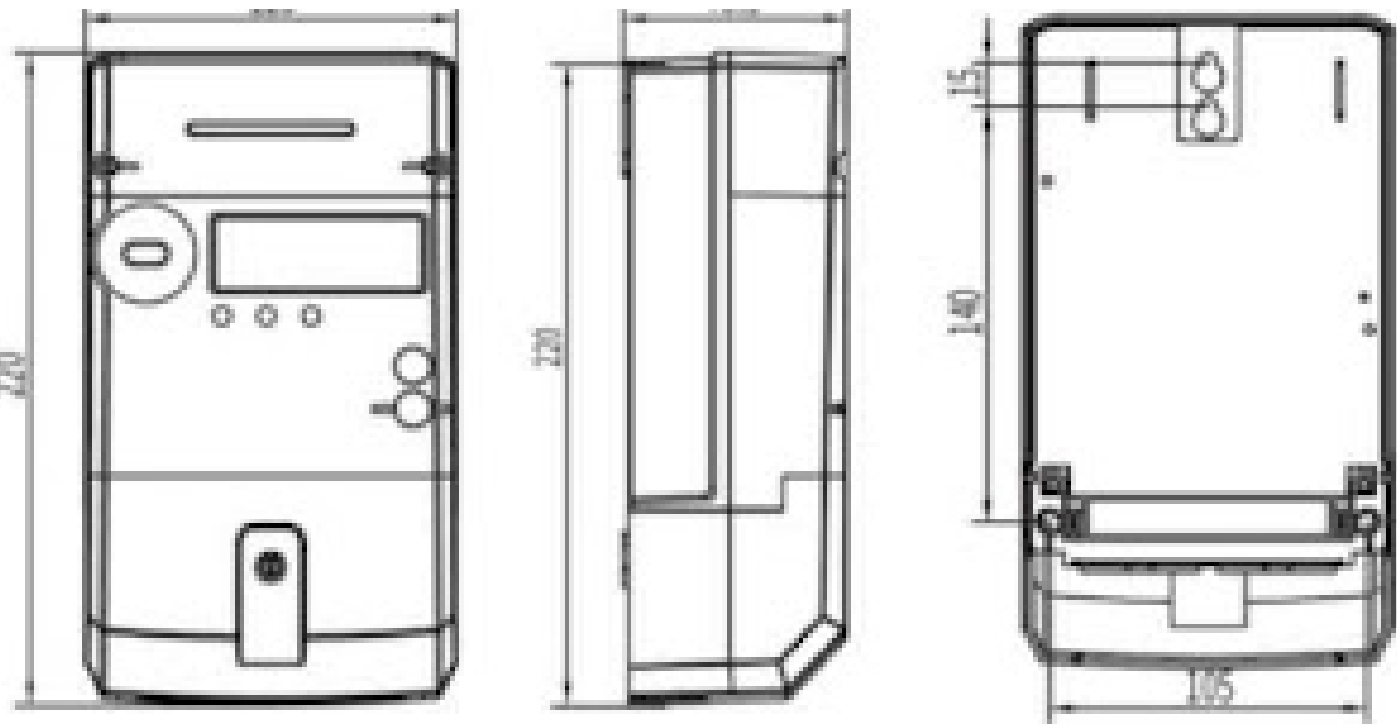
Type	Single Phase
Active Accuracy	Class B (EN 50470-3), Class 1(IEC 62053-21)
Relative Accuracy	Class 2 (IEC 62053-21)
Rated Voltage	220/230/240V
Operating Temperature	-25°C - +65°C
Rated Current	5(100)A
Starting Current	0.001Ib
Pulse Constant	1000imp/kWh 1000imp/kvarh (configurable)

Communications

Wi-Fi	LTE-M and NB-IoT
• 2.4 GHz 802.11 b/g/n • Network time via NTP • WPA2 • TLS 1.2 • Secure over the air (OTA) software upgrades • Device configuration and management via online control panel • Offline monitoring and alerts	• Global connectivity • External antenna • Cat M1: B1/ 2/ 3/ 4/ 5/ 8/ 12/ 13/ 18/ 19/ 20/ 25/ 26/ 27/ 28/ 66/ 85 • Cat NB2: B1/ 2/ 3/ 4/ 5/ 8/ 12/ 13/ 18/ 19/ 20/ 25/ 28/ 66/ 71/ 85
GPRS (2G)	Bluetooth
• Global connectivity • External antenna • 85.6 - 107 kbps	• BLE 5 Protocol • Radio output: +3dBm maximum • Secure configuration, firmware updates and AMR

Physical Dimensions (mm)

L	220
W	125
H	75.5
Weight (kg)	1.0



Connection Diagram

