Sprint 211 a part of Liberty Online











three-phase smart meter with cellular communications

The Sprint 211 is a three phase smart meter that provides communication flexibility using a modular design to accommodate the latest cellular communication technologies. The Sprint 211 paves the way for reliable data transfer making it the ideal solution for smart metering applications.

The meter supports firmware upgrade, allowing metering and communications features, functionality to be updated in the field. Sprint 211 meters are 'fit for purpose' for all contestable and embedded metering installations. This enhances flexibility and makes the investment future-proof. The meters can be used for individual domestic or small commercial applications as well as for co-located metering installations in child configuration, offering value for money with reduced Capex and inventory. The Sprint 211 smart meter forms part of the Secure's liberty online smart metering solution. Refer liberty online brochure for system details.



- · Domestic and commercial premises
- Embedded networks and co-located installations (optional)
- Suitable for three phase co-generation metering applications
- · Advanced metering infrastructure (AMI)

Key features

- Meets the minimum services specification as per Australian National Electricity Rules (NER).
- Multi operator (roaming) SIM support ensures maximum network coverage
- Credit and Pay As You Go (PAYG) mode, remotely switchable (optional)
- · Peak and off-peak tariff management
- Remote de- energisation and energisation
- · Alerts to identify potential anomalies
- · Quality of supply (QoS) monitoring
- Modular communication
- · Remote firmware upgrade



Benefits

- Value for investment with common infrastructure for contestable and embedded solutions.
- Better information on usage to manage energy consumption
- Improve billing cycle and accuracy through remote reading
- Facilitates supply connection/disconnection remotely
- Optimised telecommunication and data services for embedded networks
- Fail-safe installation and commissioning process reduced site opex and time
- Power outage management quick response time
- · Remote re-configurations
- · Reduced cost of ownership
 - Removes cost of manual read
 - · Designed to serve long life in field

Options and accessories

- · Auxiliary load control
- External antenna
- · Build options
 - 4G WAN & Zigbee HAN (Contestable)
 - Zigbee HAN (Embedded child)
- · ZigBee® compliant in-home display

JSG Metering Solutions LTD

Sprint 211



Technical specifications

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3-phase 4-wires, direct connected Connection type

Rated voltage 230 V, -20% to +15% Maximum voltage 460V (L-N) continuous Impulse withstand 12 kV, 9 J, as per NMI M6

10-100A Current range Frequency 50 Hz ±5%

Accuracy class Class 1.0 (active energy), class 2.0 (reactive energy) Two metrological LEDs for active and reactive energy Metrology lamp

Compliance

Standards NMI M6-1, AS 62052.11, AS 62053.21, AS 62053.23, AS 62052.21

Exceeds minimum services specification as per the National Electricity

Amendment (expanding competition in metering and related services. Rule 2015

No. 12)

Data storage capacity

395 days (per channel) at 30-minute interval (configurable), up to 4 channels, Energy/demand load profile

65 days (per channel) at 5-minute interval (configurable), up to 4 channels Quality of supply (QoS) parameters 90 days (per parameter) at 30-minute interval (configurable), up to 8

parameters, including average voltage, current, phase angles, temperature

Switches/outputs

Mains supply contactor 100A

Auxiliary load control 31.5A, variant specific

Mechanical

Dimension WxHxD 180 mm x 252 mm x 118 mm Enclosure material Flame retardant poly-carbonate

2.4 kg (approx.) Weight

Sealing provisions Terminal cover, meter main cover, communications module Display 8-character alphanumeric LCD with backlight and icons for status

Environmental Ingress protection

IP 53 Insulation class Protective class II

Temperature Operating: -10 °C to +60 °C

Storage: -25 °C to +70 °C 95%, non-condensing

Humidity Time clock

RTC type Crystal or mains-synchronised

Power source Mains supply

Lithium battery, 15-year life Backup source

Compliance AS 62054.21

Measurement

Active, reactive Energy types

Communication

Local ANSI optical port

Remote Build Options for: 3G/4G WAN & ZigBeeHAN (Contestable),

ZigBeeHAN (Embedded child meter, up to 15 per master)

Hot-swappable field interchangeable module, sealable separately

Security AES128 encryption, security of metering data, secure remote reads, cover open

detection

Outage notification Reserve power supply

JSG Metering Solutions LTD

Unit 11, Totman Close, Brook Road Industrial Estate, Rayleigh, Essex, SS6 7UZ

Telephone: 01268 773766 - Website: www.jsgsolutions.co.uk - Email: sales@jsgsolutions.co.uk

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