



SOLLATEK DATA SHEET NO:

10910714

GPL01

ADVANCED POWER QUALITY LOGGER



Description

The Sollatek Power Quality Logger (GPL01) is an advanced voltage logger which continuously monitors the mains and stabilised (output) voltage for power quality.

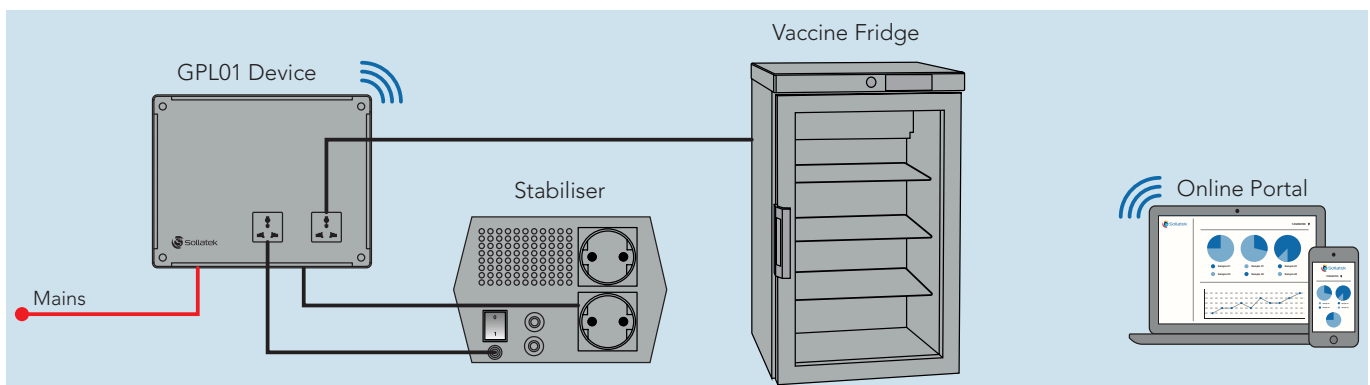
The GPL01 system measures both input and output voltage as well as logging key events such as over/under voltage, outages and spikes/surges. Data is sent to the Sollatek online portal in user settable intervals (default 15 minutes), unless in the event of an triggered alert, then data is sent immediately, reducing the cost and inconvenience of site visits and manual downloading.

The GPL01 is fitted with a GPS receiver and Wi-Fi sniffer to accurately identify the devices location world wide. An internal rechargeable battery allows the unit to transmit alerts during power failure.

The GPL01 system is enclosed in a wall mount enclosure and has two plug-in sockets for simple installation and set up.

Access your data on any Internet Browser, enabling you to monitor the voltage from anywhere at any time.

System Configuration



Feature

- Advanced remote monitoring device for power quality
- 2 x voltage and spike measurement.
- 2 x current measurement
- Get alarm notification for critical events:
 - Over / under voltage
 - Outages
 - Spikes/surges (impulses)
- Embedded Global SIM allows easy deployment and device setup
- GPS and Wi-Fi for precise world wide device location
- User configurable settings (transmission interval & alerts) over the air.
- Easy plug in socket for two inputs to allow easy installation
- Encapsulated components for maximum environmental protection
- Two options for data connection:
 - Online portal over GSM
 - Local USB (in the event remote connectivity unavailable)
- Built-in memory to allow storage of 3500 number of events

Technical Specification

Global Connectivity	GSM	2G (EDGE, GSM, GPRS) 850 / 900 / 1800 / 1900	LTE (Cat-M1, Cat-NB1) B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B28, B39	
	Wi-Fi Location	Frequency Range: 2.4 GHz Protocol: 802.11 b/g/n		
	GNSS Location	GNSS System: GPS, GLONAS, Galileo, QZSS Position Accuracy: < 3 m Sensitivity: -146dBm (cold start) and -157dBm (tracking)		
	Battery	Type: Rechargeable Lithium polymer Nominal Voltage: 3.7 V Capacity: 700 mAh Typical Run Time: Approx. 18 - 36 hours (data transmission only)		
	Memory Size	32 Mbit (3500 records)		
Power	Operating Voltage Range	90 to 300 VAC		
	Working Frequency	50 - 60 Hz		
	Max Input Current	13 Amp Circuit Breaker		
Mechanical	Mains Input	x2 Socket IEC C20 for mains connection and stabiliser output		
	Mains Output	x2 World Socket for supply to Stabiliser and Load		
	Data Interface	USB B Male		
	IP Rating	IP21		
	Operating Temperature	0°C to +60°C (32°F to +140°F)		
	Operating Humidity	<90% RH non-condensing		
	Mounting	Wall mounted (Wall screws not provided)		
	Dimension	310 x 250 x 110 mm		
	Weight	1.5 kg		
Voltage Monitoring	Sampling Method	Continuous (half cycle integrated)		
	Transmission Interval	Minimum: 60 seconds Default: 15 minutes		
	Event Types Detected	High / Low Voltage, Surges, sags, impulses, dropouts, outages		
	Measurement Locations	Live-to-Neutral for supply to stabilizer and output to appliance		
	Voltage Monitoring	Range: 0 to 400 V Accuracy: ±2% @ 0 to 350 V ±4% @ 350 to 400 V		
	Frequency Monitoring	Range: 45 to 65 Hz Accuracy: ±0.1 Hz		
	Spikes / Surge	Range: >300 VAC for		

Product Code	Description
90604010	Advanced Remote Power Quality Mont GPL01

