Power Mitra

- DIN-rail mounted power monitoring device
- Configurable 14 power monitoring parameters
- Real time trip protection during abnormal power conditions
- Auxiliary for trip detection
- Status indication through LED indicators
- Remote configuration and monitoring via cloud platform
- Remote firmware update support

■ Technical Specifications

Parameters		Specifications
Power Supply	Rated Voltage	230 VAC, 50 Hz
	Nominal Current	500 mA
Communication	Mode	Wi-Fi (2.4 GHz) / Ethernet LAN / LTE 4G
	Sim Card	JSON over MQTT
	Data Encryption	AES 128
	Cloud Software	EazyIoT Platform
General Characteristics	AC Voltage	0-500 VAC, 50-60 Hz – Single Phase
	AC Current	60A Current Transformer
	Digital Inputs [2 Nos]	Dry Input: NO-NC type
	Analog Input [1 Nos]	0 – 20 VDC
	Output [1 Nos]	Shunt Trip Relay
	Storage Memory	2 KB for offline event and meter logs records Event Records – 1200 Meter data records - 1000
	RTC Battery Backup	5 Year Battery Backup
Electrical Parameters	AC Voltage	Range 50 - 500 V
	AC Current	Range 0.1 – 63 A
	Frequency	Range 45 – 60 Hz
	Power Factor	Range -1 to 1
	kW, kWh, kVA, kVAh	1% Accuracy
	VTHD & ITHD	Up to 63 harmonics are considered in THD %
	Leakage Current	Up to 100 mA
	Earth Voltage	Up to 50 V AC
Mechanical Specifications	Mounting	T35 Din Rail
	Dimensions (W x D x H)	110 x 105 x 73 mm
Firmware and Maintenance	Remote Firmware Update	Supported
	Configuration Method	Cloud-based (EazyIoT Platform)
	Model	**Description**
Ordering Information	Power Mitra	The firmware of the device can be updated from the software

- **Features**

Feature	Description
Early Detection	• Risk of arcing • Short circuit • Over Current • Reverse current • Earth Leakage • Over Voltage • Under Voltage • Phase Loss • Phase Reversal • Neutral Loss • Voltage Quality • Low Power Factor • High voltage and/or current harmonics • Inrush current • Unbalanced load • Asymmetric power supply
Isolation	• Short Circuit • Arc fault • Over Current • Earth Leakage • Over Voltage • Under Voltage • Phase Loss • Neutral Loss • Phase Reversal • Critical Voltage Harmonics
OTA Firmware Upgrade	• The firmware of the device can be updated from the software
Offline Storage	• Offline fault and trip events storage • Offline meter logs storage
Wi-Fi Configuration	• Easy Wi-Fi configuration settings via Mobile phone/ PC

- **Dimensions (All dimensions are in mm)**