

### Automated audits for pre diagnosis of critical electrical events

POWEReasy is India's first IOT device that alerts users of high risk electrical faults to improve electrical safety. It can also be configured to isolate supply for critical faults. POWEReasy caters 12 electrical fire risks and 20 electrical conditions whereas an MCB and RCCB protect for only 3.

POWEReasy comes with a remote command center monitored by electrical experts they analyze & report early warning to prevent critical faults. Users are also alerted via email and whatsapp.

#### Smart Optimizer



#### Live Dashboard with risks analytics



#### Whatsapp Alerts



Automated Audits

Save lives and assets



Early Warnings

Prevent unplanned shutdown



Actionable insights

Improves efficiency of electrician



Reports to Whatsapp

Monitoring on the go

#### Remote Command Center



#### Electrician at Site



### DID YOU KNOW ?

#### Medical Equipments

Bhopal  
8 Nov, 2021  
Hospital

**4 Fatalities**



#### Air Conditioner

Delhi  
12 Feb, 2018  
Hotel

**17 Fatalities**



#### Short Circuit

Ahmednagar  
6 Nov, 2021  
Hospital

**11 Fatalities**



#### Medical Equipments

Bhubaneswar  
18 Oct, 2016  
Hospital

**22 Fatalities**



#### Loose Wiring

Mumbai  
4 Jan, 2018  
Shop

**12 Fatalities**



#### Rodents

Bangalore  
28 Dec, 2018  
Train

**26 Fatalities**



**69**

Fatalities/day due to electrical faults

**32:1**

Ration of Fatalities to injuries due to fire

**86%**

Fire can be prevented by proper maintenance

# POWEReasy COMPANY VISION

## TO ENSURE EVERY LAST INDIAN GETS RELIABLE ELECTRICITY

POWEReasy automates electrical safety. The POWEReasy is an IOT enabled device that not only monitors electrical conditions but also identifies 20 electrical faults. It has the ability to isolate the electrical supply and even diagnose and report issues via the cloud.

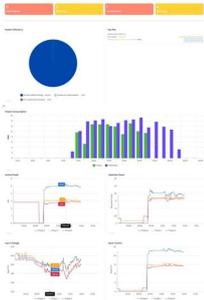
- **Automatic, realtime electrical audits.** POWEReasy reports all electrical conditions to a dashboard that is constantly evaluating electrical risks. Electrical audits are no longer an annual event.
- **Fire Risk mitigation.** POWEReasy provides early warning via pre diagnosis and optional isolation covering 12 critical electrical events.
- **Fault Diagnosis with root cause analysis.** POWEReasy monitors electrical signatures in realtime to identify 20 unique electrical problems. It also reports the root cause, enabling effective and in-time correction to complex electrical faults.

### 20 KNOWN ELECTRICAL FAULTS

Type of Fault / Functions	Potential Risk from fault				Solution Available	
	Fire	Electro-cution	Damage to equipment	Efficiency loss	MCB + RCCB	POWEReasy
Short circuit	X				Trip	Isolation
Over current	X				Trip	Warning & Optional Isolation
Earth leakage	X	X	X		Trip	Warning & Optional Isolation
Critical Over voltage	X		X		No	Voltage Stabilization & Optional Isolation
Critical Under voltage	X		X		No	Voltage Stabilization & Optional Isolation
Earth voltage	X	X	X		No	Warning & Optional Isolation
Neutral loss	X		X		No	Isolation
Phase/Line loss	X		X		No	Isolation
Arc faults	X		X		No	Optional Isolation
Surge	X		X		No	Protection
Current unbalance	X			X	No	Warning
Current harmonics	X		X	X	No	Warning
Phase Reversal			X		No	Optional Isolation
Power factor				X	No	Warning
Voltage harmonics			X		No	Warning & Optional Isolation
Short term interruptions			X		No	Warning
Voltage variation			X	X	No	Voltage Stabilization & Optional Isolation
Voltage unbalance			X	X	No	Voltage Stabilization & Optional Isolation
Inrush current			X		No	Warning
Reverse current		X			No	Warning

# POWEReasy SOLUTIONS SUMMARY

Dash Board



Whatsapp



E-mail

**POWEReasy**

WARNING AND FAULT REPORT  
16 SEP 2022

View Detailed Report

The Power Easy can detect and notify you via EMAIL, SMS, PPT, and Push and Setting Alerts on 16 SEP 2022

Alerts

Alert Name	Alert Type	Alert Status	Alert Count
Power Easy Error	EMAIL, PPT, SMS, Push	Active	1
Power Easy Fault	EMAIL, PPT, SMS, Push	Active	1

Warnings

Warning Name	Warning Type	Warning Status	Warning Count
Power Easy Error	EMAIL, PPT, SMS, Push	Active	1
Power Easy Fault	EMAIL, PPT, SMS, Push	Active	1

Command Center



Type of Product

Smart Optimizer

Smart DB with Optimizer



Innovation

5X smaller size  
Energy saving

Integrated DB with  
Coverage of all 20  
Electrical Faults

Electrical Fire Risk

All 12 risks

All 12 risks

Root Cause Analysis

All 20 risks

All 20 risks

Surge Protection

Type II

Type II

Whatsapp & Dashboard

Available

Available

Command Center

Available

Available

Distribution board

-

6Way, 8way, 12way

Mounting

Wall Mounting

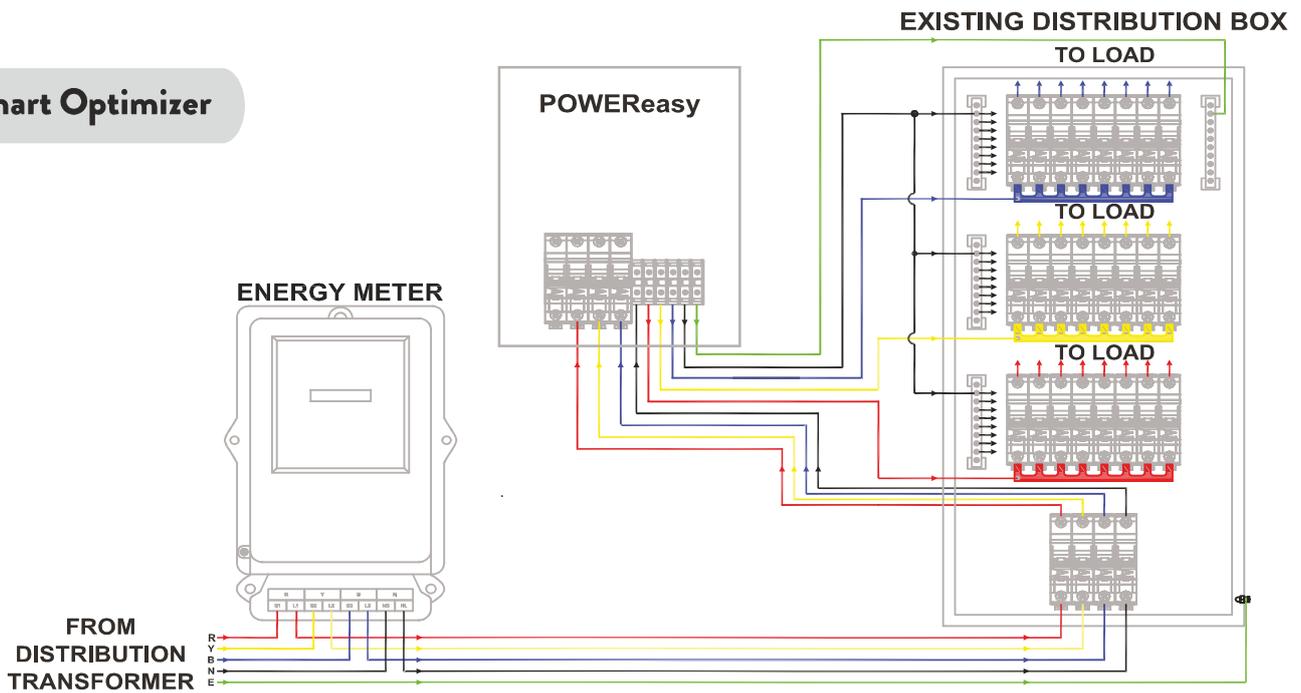
Wall Concealed

## OUR CLIENTS.



# POWEReasy INSTALLATION DIAGRAM

## Smart Optimizer



## Smart DB with Optimizer

