



**POWERWIN**

Developing & Nurturing Resources...

**PRODUCT PROFILE**  
**'Powerwin™' - Power Saver**  
**for Mixed Loads**

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## 'Powerwin™'-Power Saver for Mixed Loads

We are manufacturing and marketing our Power\Energy saving products on the brand name '**Powerwin™**' and is fully equipped with embedded software chip, which results greater accuracy in Load Voltage, Load Current, Reactive power, Active power and Power factor. '**Powerwin™**' is also provides various type of protections from high/low Voltage/Current/Over Load/Short Circuit with high precision and greater accuracy with the help of unique embedded software.

'**Powerwin™**' has major applications is in Mall, Office, Big Apartment, Show-room, Town ship etc. The saving varies from load to load and location to location. However as per the past installations at various locations in India, the saving reported is between 13 to 18%

'**Powerwin™**' has capacities ranging from 5 to up to 500 Kva in various options say Electronic, Digital or GSM\GPRS based. We have recently launched model with advance version of monitoring and control through GSM\GPRS. It would be widely used in street light monitoring and controlling operation, Industrial load monitoring and controlling operation etc.

### 'Powerwin™'- Technology Brief

"**Powerwin™**" basically works on the principle of 'On line monitoring and controlling of power' of load. The technology used in "**Powerwin™**" is fully researched and developed by M/S Powerwin Energy Solutions Pvt. Ltd. "**Powerwin™**" uses the embedded software for monitoring and controlling of load power.

In this technology, the online power factor (which is a cosine angle between voltage and current phases) and load voltage, were very accurately monitored and as per demand of load, it improves & controls the power factor & Voltage. But all this control activity depends on the available electrical supply conditions. Thus, with the help of this technology, we can also reduce the transmission and distribution losses up to a reasonable level as we are reducing the line losses.

### 'Powerwin™'- Unique Selling Points

- Performance in terms of percentage energy saving
- Economical price
- Reliability
- Lesser Maintenance
- Less weight

## 'Powerwin™' - Technical Specifications:

Model	Capacity	Mains ON/OFF	Changeover Switch	Size(in mm) LXBXH	Weight (Approx.)
TPPS -5	5Kva	6A,MCB	10A,Rotary	325X230X200	6kg
TPPS -7	7Kva	10A,MCB	16A Rotary	350X230X225	7kg
TPPS -10	10Kva	16A,MCB	25A Rotary	375X250X250	9kg
TPPS -15	15Kva	20A,MCB	32A Rotary	400X320X280	14kg
TPPS -25	25Kva	32A,MCB	40A Rotary	350X350X550	23kg
TPPS -35	35Kva	50A,MCB	63A Rotary	350X350X600	32kg
TPPS -45	45Kva	63A,MCB	80A OVL	450X450X680	45kg
TPPS -60	60Kva	80A,MCCB	100A OVL	450X450X730	53kg
TPPS -75	75Kva	100A,MCCB	125A OVL	500X500X830	65kg
TPPS -90	90Kva	125A,MCCB	160A OVL	500X500X880	80kg
TPPS -110	110Kva	150A,MCCB	200A OVL	550X550X950	95kg
TPPS -150	150Kva	200A,MCCB	250A OVL	600X600X1050	130kg
TPPS -200	200Kva	280A,MCCB	320A OVL	600X600X1150	170kg

### Common Specifications: -

Product Name	: "Powerwin™"- Electronic Energy Saver Cum Protector			
I/P Rating	: 150-280 VAC\phase, 3-Phase, 50 Hz			
Cut-off Voltages	Low cut-off	: 150 VAC\phase		
	High cut-off	: 280 VAC\phase		
Indications	Power On	: Red LED	Load On	: Red LED
	Saver On	: Green LED	UV On	: Yellow LED
	OV On	: Yellow LED	SW On	: Red LED
Fuse Rating	Glass Fuse	: 300 mAmps.		

## 'Powerwin™' - Unique Features

✓ '**Powerwin™**' works on Single & Three Phase Electrical supply. It gives up to **25%** energy saving on various types of load based on the nature or type of load.

✓ '**Powerwin™**' issued in various Domestic, Commercial & Industrial applications.

✓ '**POWERWIN™**' also protects costly appliances and assets of customer from all types of power fluctuations like under/over voltage, over current, over load and short-circuit conditions

✓ '**POWERWIN™**' gives Payback period as low as Six month only. (Based on the consumption or % loading of device and nature of the load)

✓ '**POWERWIN™**' also increases the life of all types of appliances by reducing line current and line losses of load. This increases the Efficiency & Reliability of the appliances or equipment used.

✓ '**POWERWIN™**' uses Electronic and Static components, which ensure a very high reliability resulting in to a high degree of accuracy in operational conditions; subsequently assures more than 15 years life.

✓ '**POWERWIN™**' is available in various Capacities from 5Kva to 500 Kva

### 'Powerwin™' Range

#### **Single Phase Powerwin™**

Single-phase '**Powerwin™**' ranges available from 5 Kva and 7 Kva

#### **Three-Phase Powerwin™**

Three-phase '**Powerwin™**' range available from 5 Kva, 7 Kva 15 Kva, 25 Kva, 35 Kva, 45 Kva, 60 Kva, 75 Kva, 90 Kva, 110 Kva, 150 Kva , 200 Kva, 300 Kva, 400 Kva & 500 Kva