



# Powercalm

Powercalm was incorporated in the year 2008 by an qualified engineer with a clear vision and mission and manufactures with products ranging from domestic and Industrial uninterrupted power supply(UPS), Battery chargers, Servo stabilizers, Batteries etc, along with high standards of manufacturing and quality equipments.

Production facilities have been designed to match customer expectations and are compatible with the requirements of the highest standards.

#### Future Goals:

- Innovate and harvest in solar energy efficient products.
- Obsessed with a vision of delivering not only a product of the highest quality but also ensuring utmost customer satisfaction through prompt and personalized services.



## POWERCALM

Mfrs. UPS, Servo Stabilizer, Battery Chargers, Batteries, Solar Power Plant, Solar Water Heater, Transformers.

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# POWERCALM STANDS FOR

Performance Oriented Worthful Efficient Realistic  
Standard Operation with Faithful TEAM.



## Online UPS Three Phase Input / Single Phase Output DEVICES USED

- **INVERTER** : IGBT (Semikron Make) Control PWM Technology With Pure Sine Wave Output
- **RECTIFIER**: Full Wave Rectifier By Using IGBT Charger Power Factor Correction
- **FILTER**: DC Power Capacitors with Choke Input Filter

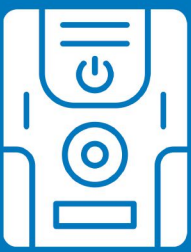
**Note:**

Image shown are just indicative and will change due to research and development activities

### Parameter

### Specification

Input Voltage	: 295V-465V
Input Frequency	: 50Hz +/-6%
DC Bus	: 120, 180, 192, 240 & 360V DC
Rectifier	: Bridge Rectifier FULL WAVE
Charger	: PFC IGBT CHARGER
Input PF	: >.97
Charging Current	: As per Battery Capacity
Charging Voltage	: As per Battery Capacity
Ripple without battery	: <1%
UPS Output Voltage	: 230V AC +1% @ Single Phase
Regulation	: +/- 1%
Frequency	: 50Hz +/- 0.1Hz.
Waveform	: True Sine Wave
Total Harmonic Distortion	: <2% Minimum for Linear Load, 5% for Non Linear Load
Overload Capacity	: 125% for 10Mins, 150% for 1Sec.
Inverter Type	: IGBT Based PWM With Instantaneous Sine Wave Control.
Duty Cycle	: Continuous
Manual Bypass	: Provided
Inverter Efficiency	: > 93%
Converter Efficiency	: > 94%
Converter Protection	: MCB,and HRC Fuses, Soft Start for 0-60 seconds from input power
Inverter Production	: MCB and HRC Fuses, High speed pulse by pulse electronic over voltage / under voltage production, Over current trip with reset
LCD Display	: Output Voltage, DC Voltage,Load in Watts,Battery Low, Output Low/High, Overload.



## OUR SPECIALIZATION

- Server Based Voltage Stabilizer
- Isolation Transformers
- Uninterrupted Power Supply
- Solor Energy based Products

### Online UPS Single Phase Input / Single Phase Output

#### DEVICES USED

- **INVERTER** : IGBT (Semikron Make) Control PWM Technology With Pure Sine Wave Output
- **RECTIFIER**: Full Wave Rectifier By Using IGBT Charger Power Factor Correction
- **FILTER**: DC Power Capacitors with Choke Input Filter

#### Note:

Image shown are just indicative and will change due to research and development activities

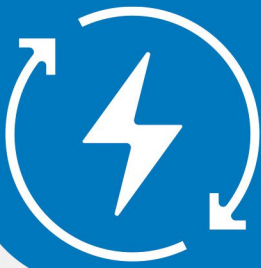


### Parameter

### Specification

Input Voltage	: 170V-270V
Input Frequency	: 50Hz +/-6%
DC Bus	: 24V-192V DC
Rectifier	: Bridge Rectifier FULL WAVE
Charger	: IGBT Power Factor Charger
Input PF	: >.97
Charging Current	: Depending upon the system
Charging Voltage	: Depending upon the system
Ripple without battery	: <1%
UPS Output Voltage	: 220V AC +-1% @ Single Phase
Regulation	: +/- 1%
Frequency	: 50Hz +/- 0.1Hz.
Waveform	: True Sine Wave
Total Harmonic Distortion	: <2% Minimum for Linear Load, 5% for Non Linear Load
Overload Capacity	: 125% for 10Mins, 150% for 1Sec.
Inverter Type	: IGBT Based PWM With Instantaneous Sine Wave Control.
Duty Cycle	: Continuous
Manual Bypass	: Provided
Inverter Efficiency	: > 93%
Converter Efficiency	: > 94%
Converter Protection	: MCB,and HRC Fuses, Soft Start for 0-60 seconds from input power
Inverter Protection	: MCB and HRC Fuses, High speed pulse by pulse electronic over voltage / under voltage production, Over current trip with reset
LCD Display	: Output Voltage, DC Voltage,Load in Watts,Battery Low, Output Low/High, Overload.





# POWERCALM IS POWERING THE NATION

The mantra of Powercalm is just "UNDERSTAND THE NEED AND WORK AS A TEAM AND GRAB THE OPPORTUNITY FOR MUTUAL BENEFITS"



## Online UPS Three Phase Input / Three Phase Output DEVICES USED

- **INVERTER** : IGBT (Semikron Make) Control PWM Technology With Pure Sine Wave Output
- **RECTIFIER**: Full Wave Rectifier By Using SCR
- **FILTER**: DC Power Capacitors with Choke Input Filter

### Note:

Image shown are just indicative and will change due to research and development activities

## Parameter

## Specification

Input Voltage	: 295V-465V
Input Frequency	: 50Hz +/-6%
DC Bus	: 180, 192, 240 & 360V DC
Rectifier	: SCR-SCR
Charger	: SCR CHARGER
Input PF	: >.97
Charging Current	: As per Battery Capacity
Charging Voltage	: As per Battery Capacity
Ripple without battery	: <1%
UPS Output Voltage	: 400V AC @ Three Phase
Regulation	: +/- 1%
Frequency	: 50Hz +/- 0.1Hz.
Waveform	: Pure Sine Wave
Total Harmonic Distortion	: <2% Minimum for Linear Load, 5% for Non Linear Load
Overload Capacity	: 125% for 10Mins, 150% for 1Sec.
Inverter Type	: IGBT Based PWM With Instantaneous Sine Wave Control.
Crest Factor	: 3:1
Duty Cycle	: Continuous
Manual Bypass	: Provided
Power Factor	: .9
Inverter Efficiency	: > 93%
Converter Efficiency	: > 94%
Converter Protection	: MCB, and HRC Fuses, Soft Start for 0-60 seconds from input power
Inverter Production	: MCB and HRC Fuses, High speed pulse by pulse electronic over voltage / under voltage production, Over current trip with reset
LCD Display	: Output Voltage, DC Voltage, Load in Watts, Battery Low, Output Low/High, Overload.