

# STATIC VOLTAGE STABILIZERS

DSP Controlled IGBT Based

Single Phase (1:1)

2.5kVA ~ 40kVA

Three Phase (3:3)

5kVA ~ 400kVA

**Sinetrac<sup>®</sup>**

TM No.659865



Single Phase



Three Phase

**Chime Electronics** established in Year 1987 with 36 Years Experience in Power Conditioning & Energy Managements. Provides Innovative Solutions to Your Power Conditioning Needs.

**Sinetrac Static IGBT Voltage Stabilizer** are Innovative Design Have set the Standard in the industry for product Design & Quality .

## Features

- Digital Signal Processor
- LCD Display for Parameters
- Overload Protection
- 1:10 ratio crest factor
- Natural Air Cooled
- High Efficiency
- Auto Bypass

## Applications

- CNC Machine Tools
- Injection Molding Machines
- Printing Machines
- Medical Equipment
- Food Processing Machines
- Textile Machines- Spinning, Weaving, Knitting, Embroidery, Garments, Manufacturing
- Domestic Application,, Home Appliance, Shops, Malls & Villas, All Industrial, Commercial, Residential Loads, Etc...

## Specifications

### Static (IGBT - Based) Voltage Stabilizers - Three Phase 5kVA ~ 90kVA

|                                            |                                                                                                                                    |        |        |        |                 |         |                 |         |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-----------------|---------|-----------------|---------|
| Topology                                   | DSP Controlled PWM Technology                                                                                                      |        |        |        |                 |         |                 |         |
| Phases: Input & Output                     | Three Phase to Three Phase                                                                                                         |        |        |        |                 |         |                 |         |
| Capacity                                   | 5KVA                                                                                                                               | 10KVA  | 15KVA  | 20KVA  | 30KVA           | 50KVA   | 75KVA           | 90KVA   |
| Input                                      |                                                                                                                                    |        |        |        |                 |         |                 |         |
| Nominal voltage                            | A= 352-477 / B= 322-489 / C=311-518                                                                                                |        |        |        |                 |         |                 |         |
| Maximum Rated Input Current Per/Phase 352V | 8                                                                                                                                  | 17     | 25     | 34     | 51              | 85      | 127             | 153     |
| Maximum Rated Input Current Per/Phase 332V | 9                                                                                                                                  | 18     | 27     | 36     | 54              | 90      | 135             | 162     |
| Maximum Rated Input Current Per/Phase 311V | 10                                                                                                                                 | 19     | 29     | 38     | 58              | 96      | 144             | 173     |
| Nominal frequency                          | 47-60 Hz                                                                                                                           |        |        |        |                 |         |                 |         |
| Input Circuit Breaker Rating               | 10A 3P                                                                                                                             | 32A 3P | 32A 3P | 40A 3P | 63A 3P          | 100A 3P | 160A 3P         | 160A 3P |
| Input Circuit Breaker Rating               | 10A 3P                                                                                                                             | 32A 3P | 32A 3P | 40A 3P | 63A 3P          | 100A 3P | 160A 3P         | 200A 3P |
| Input Circuit Breaker Rating               | 16A 3P                                                                                                                             | 32A 3P | 32A 3P | 40A 3P | 63A 3P          | 100A 3P | 160A 3P         | 200A 3P |
| Ac connection                              | Terminal block (L1,L2,L3 Neutral and Ground ) provided                                                                             |        |        |        |                 |         |                 |         |
| Output                                     |                                                                                                                                    |        |        |        |                 |         |                 |         |
| Nominal voltage                            | 400/415/420 VAC, Settable                                                                                                          |        |        |        |                 |         |                 |         |
| Power efficiency                           | Typically over 98 % (with 20 - 100% load conditions)                                                                               |        |        |        |                 |         |                 |         |
| Voltage regulation                         | +/- 1%                                                                                                                             |        |        |        |                 |         |                 |         |
| Maximum rated output                       | 7                                                                                                                                  | 14     | 22     | 29     | 43              | 72      | 108             | 130     |
| Ac connection                              | Terminal block (L1in,L2in,L3in Neutral and Ground wires) provided                                                                  |        |        |        |                 |         |                 |         |
| ENVIRONMENTAL                              |                                                                                                                                    |        |        |        |                 |         |                 |         |
| Ambient temperature                        | 0°C to + 45°C, 10 to 90% RH non-condensing                                                                                         |        |        |        |                 |         |                 |         |
| Cooling method                             | Forced Air Cooled                                                                                                                  |        |        |        |                 |         |                 |         |
| Display                                    |                                                                                                                                    |        |        |        |                 |         |                 |         |
| LCD Display                                | 4 Line LCD Display, showing I/P, O/P Voltage , load Percentage, Fault Annunciation, Event log(optional)                            |        |        |        |                 |         |                 |         |
| Protections                                |                                                                                                                                    |        |        |        |                 |         |                 |         |
| Standards & Safety                         | Designed to meet UL 60950-1 standards. Protection class IP 20.                                                                     |        |        |        |                 |         |                 |         |
| OV/UV cut off                              | Electronic cut off circuit with graded time delay for High/Low/Missing Voltage                                                     |        |        |        |                 |         |                 |         |
| Overload & Short Circuit Protection        | CT based electronic Cutoff circuit with graded time delay set @110%of rated full load current                                      |        |        |        |                 |         |                 |         |
| Soft Switch-On                             | This feature ensure that output voltage is never higher than input voltage upon switch-on, before it commences full stabilization. |        |        |        |                 |         |                 |         |
| Automatic bypass                           | Automatic bypass will be activated when there is a heavy Surge (Optional)                                                          |        |        |        |                 |         |                 |         |
| Surge Test Conditions                      | Per Class 2 Surge (combination wave)                                                                                               |        |        |        |                 |         |                 |         |
| Surge let-through voltages                 | 8 X 20 μs upto 40 kA waveform. L-N < 460V                                                                                          |        |        |        |                 |         |                 |         |
| Resetting Mode                             | Manual and Automatic Option Provided                                                                                               |        |        |        |                 |         |                 |         |
| Physical                                   |                                                                                                                                    |        |        |        |                 |         |                 |         |
| Dimensions (L X W X H in mm)               | 800 X 460 X 550                                                                                                                    |        |        |        | 550 X 450 X 775 |         | 600 X500 X 1175 |         |
| Weight (approx. in Kgs)                    | 50                                                                                                                                 | 56     | 68     | 68     | 89              | 100     | 135             | 153     |
| Mounting                                   | Wheel Mounted with Breaks                                                                                                          |        |        |        |                 |         |                 |         |
| WARRANTY                                   | Two year limited warranty, covering repair/replacement of defective parts                                                          |        |        |        |                 |         |                 |         |

\* Specification are subject to change without any prior notice.

#### Contact us:

#### Chime Electronics

E-17, Sector-3, DSII DC Industrial Area,  
Bawana, Delhi-110039

Tel: 011-46536498, 9818211890

e-mail: sinetrac@gmail.com | Web.: www.sinetrac.in

Specifications

## Static (IGBT - Based) Voltage Stabilizers - Three Phase 100kVA ~ 300kVA

|                                                          |                                                                                                                                    |         |         |         |         |         |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| Topology                                                 | DSP Controlled PWM Technology                                                                                                      |         |         |         |         |         |
| Phases: Input & Output                                   | Three Phase to Three Phase                                                                                                         |         |         |         |         |         |
| Capacity                                                 | 100KVA                                                                                                                             | 125KVA  | 150KVA  | 200KVA  | 250KVA  | 300KVA  |
| Input                                                    |                                                                                                                                    |         |         |         |         |         |
| Nominal voltage                                          | 340-460/ 320-480/ 300-500 VAC                                                                                                      |         |         |         |         |         |
| Maximum Rated Input Current @ Nominal Input Voltage 340V | 170                                                                                                                                | 212     | 255     | 340     | 425     | 509     |
| Maximum Rated Input Current @ Nominal Input Voltage 320V | 180                                                                                                                                | 226     | 271     |         |         |         |
| Maximum Rated Input Current @ Nominal Input Voltage 300V | 192                                                                                                                                | 241     | 289     |         |         |         |
| Nominal frequency                                        | 47 - 53 Hz                                                                                                                         |         |         |         |         |         |
| Input Circuit Breaker Rating                             | 200A 3P                                                                                                                            | 250A 3P | 400A 3P | 400A 3P | 630A 3P | 630A 3P |
| Input Circuit Breaker Rating                             | 200A 3P                                                                                                                            | 250A 3P | 315A 3P |         |         |         |
| Input Circuit Breaker Rating                             | 200A 3P                                                                                                                            | 250A 3P | 315A 3P |         |         |         |
| Ac connection                                            | Terminal block {L1in,L2in,L3in Neutral and Ground wires} provided                                                                  |         |         |         |         |         |
| Output                                                   |                                                                                                                                    |         |         |         |         |         |
| Nominal voltage                                          | 400/415/420 VAC, Settable                                                                                                          |         |         |         |         |         |
| Power efficiency                                         | Typically over 98 % {with 20 - 100% load conditions}                                                                               |         |         |         |         |         |
| Voltage regulation                                       | +/- 1%                                                                                                                             |         |         |         |         |         |
| Maximum rated output current                             | 144                                                                                                                                | 180     | 217     | 289     | 361     | 433     |
| Ac connection                                            | Terminal block {L1in,L2in,L3in Neutral and Ground wires} provided                                                                  |         |         |         |         |         |
| ENVIRONMENTAL                                            |                                                                                                                                    |         |         |         |         |         |
| Ambient temperature                                      | 0°C to + 45°C, 10 to 90% RH non-condensing                                                                                         |         |         |         |         |         |
| Cooling method                                           | Forced Air Cooled                                                                                                                  |         |         |         |         |         |
| Display                                                  |                                                                                                                                    |         |         |         |         |         |
| LCD Display                                              | 4 Line LCD Display, showing I/P, O/P Voltage , load Percentage, Fault Annunciation, Event log(optional)                            |         |         |         |         |         |
| Protections                                              |                                                                                                                                    |         |         |         |         |         |
| Standards & Safety                                       | Designed to meet UL 60950-1 standards. Protection class IP 20.                                                                     |         |         |         |         |         |
| OV/UV cut off with SPP                                   | Electronic cut off circuit with graded time delay for High/Low/Missing Voltage                                                     |         |         |         |         |         |
| Overload & Short Circuit Protection                      | CT based electronic Cutoff circuit with graded time delay set @110%of rated full load current                                      |         |         |         |         |         |
| Soft Switch-On                                           | This feature ensure that output voltage is never higher than input voltage upon switch-on, before it commences full stabilization. |         |         |         |         |         |
| Automatic bypass                                         | Automatic bypass will be activated when there is a fault condition(Optional)                                                       |         |         |         |         |         |
| Surge Test Conditions                                    | Per Class 2 Surge (combination wave)                                                                                               |         |         |         |         |         |
| Surge let-through voltages                               | 8 X 20 μs upto 40 kA waveform. L-N < 460V                                                                                          |         |         |         |         |         |

\* Specification are subject to change without any prior notice.

## Specifications

### Static (IGBT - Based) Voltage Stabilizers - Single Phase 5kVA ~40kVA

|                                            |                                                                                                                                    |        |                 |         |                 |         |         |         |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|---------|-----------------|---------|---------|---------|
|                                            | DSP Controlled PWM Technology                                                                                                      |        |                 |         |                 |         |         |         |
| Phases : Input & Output                    | Single Phase to Single Phase                                                                                                       |        |                 |         |                 |         |         |         |
| Capacity                                   | 5KVA                                                                                                                               | 7.5KVA | 10KVA           | 15KVA   | 20KVA           | 25KVA   | 30KVA   | 40KVA   |
| Input                                      |                                                                                                                                    |        |                 |         |                 |         |         |         |
| Nominal voltage                            | A=195-264/ B=184-276/ C=172-287                                                                                                    |        |                 |         |                 |         |         |         |
| Maximum rated input current Per/Phase 195V | 26                                                                                                                                 | 39     | 53              | 79      | 105             | 132     | 158     | 211     |
| Maximum rated input current Per/Phase 184V | 28                                                                                                                                 | 42     | 56              | 83      | 111             | 139     | 167     | 222     |
| Maximum rated input current Per/Phase 172V | 29                                                                                                                                 | 44     | 59              | 88      | 118             | 147     | 176     | 235     |
| Nominal frequency                          | 47 - 60 Hz                                                                                                                         |        |                 |         |                 |         |         |         |
| Input circuit breaker rating               | 32A 1P                                                                                                                             | 40A 1P | 63A 1P          | 100A 1P | 125A 1P         | 160A 1P | 160A 1P | 225A 1P |
| Input circuit breaker rating               | 32A 1P                                                                                                                             | 63A 1P | 63A 1P          | 100A 1P | 125A 1P         | 160A 1P | 160A 1P | 225A 1P |
| Input circuit breaker rating               | 32A 1P                                                                                                                             | 63A 1P | 63A 1P          | 100A 1P | 125A 1P         | 160A 1P | 200A 1P | 260A 1P |
| Ac connection                              | Terminal block (L1in, Neutral and Ground wires) provided                                                                           |        |                 |         |                 |         |         |         |
| Output                                     |                                                                                                                                    |        |                 |         |                 |         |         |         |
| Nominal voltage                            | 220/30/240 VAC, Settable                                                                                                           |        |                 |         |                 |         |         |         |
| Power efficiency                           | Typically over 99 % (with 20 - 100% load conditions)                                                                               |        |                 |         |                 |         |         |         |
| Voltage regulation                         | +/- 1%                                                                                                                             |        |                 |         |                 |         |         |         |
| Maximum rated output                       | 22                                                                                                                                 | 33     | 43              | 65      | 87              | 109     | 130     | 174     |
| Ac connection                              | Terminal block (L1, neutral and ground) provided                                                                                   |        |                 |         |                 |         |         |         |
| Environmental                              |                                                                                                                                    |        |                 |         |                 |         |         |         |
| Ambient temperature                        | 0°C to + 45°C, 10 to 90% RH non-condensing                                                                                         |        |                 |         |                 |         |         |         |
| Cooling method                             | Forced Air Cooled                                                                                                                  |        |                 |         |                 |         |         |         |
| Display                                    |                                                                                                                                    |        |                 |         |                 |         |         |         |
| LCD Display                                | 4 Line LCD Display, showing I/P, O/P Voltage , load Percentage, Fault Annunciation, Event log(optional)                            |        |                 |         |                 |         |         |         |
| Protections                                |                                                                                                                                    |        |                 |         |                 |         |         |         |
| Standards & Safety                         | Designed to meet UL 60950-1 standards. Protection class IP 20.                                                                     |        |                 |         |                 |         |         |         |
| OV/UV cut off                              | Electronic cut off circuit with graded time delay for High/Low/Missing Voltage                                                     |        |                 |         |                 |         |         |         |
| Overload & Short Circuit Protection        | CT based electronic Cutoff circuit with graded time delay set @110%of rated full load current                                      |        |                 |         |                 |         |         |         |
| Soft Switch-On                             | This feature ensure that output voltage is never higher than input voltage upon switch-on, before it commences full stabilization. |        |                 |         |                 |         |         |         |
| Automatic bypass                           | Automatic bypass will be activated when there is a heavy surge                                                                     |        |                 |         |                 |         |         |         |
| Surge Test Conditions                      | Per Class 2 Surge (combination wave)                                                                                               |        |                 |         |                 |         |         |         |
| Surge let-through voltages                 | 8 X 20 µs upto 40 kA waveform. L-N < 460V                                                                                          |        |                 |         |                 |         |         |         |
| Resetting Mode                             | Manual and Automatic Option Provided                                                                                               |        |                 |         |                 |         |         |         |
| Physical                                   |                                                                                                                                    |        |                 |         |                 |         |         |         |
| Dimensions (L X W X H in mm)               | 425 X 250 X 460                                                                                                                    |        | 450 X 250 X 520 |         | 600 X 450 X 700 |         |         |         |
| Weight (approx. in Kgs)                    | 20                                                                                                                                 | 22     | 35              | 35      | 45              | 45      | 50      | 55      |
| Mounting                                   | Wheel Mounted with Breaks                                                                                                          |        |                 |         |                 |         |         |         |
| WARRANTY                                   | Two year limited warranty, covering repair/replacement of defective parts                                                          |        |                 |         |                 |         |         |         |

\* Specification are subject to change without any prior notice.

#### Contact us:

#### Chime Electronics

E-17, Sector-3, DSIDC Industrial Area,

Bawana, Delhi-110039

Tel: 011-46536498, 9818211890

e-mail: sinetrac@gmail.com | Web.: www.sinetrac.in