

# DS Series

5kVA ~ 90kVA (3:3)

DSP Controlled IGBT Based  
Static Voltage Stabilizer



**ROHS**  
COMPLIANT

**CE**



**Numax Energy Solutions** Established in Year 2010 with 25 Years Experience in Power Conditioning & Energy Managements. Provides Innovative Solutions to Your Power Conditioning Needs.

**Numax Static 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**

Model	DS53A/B/C	DS103A/B/C	DS153A/B/C	DS203A/B/C	DS303A/B/C	DS503A/B/C	DS753A/B/C	DS1003A/B/C
Topology	DSP Controlled IGBT Based Static Voltage Stabilizer							
Phase Sequence	Three Phase to Three Phase							
Capacity	5KVA	10KVA	15KVA	20KVA	30KVA	50KVA	75KVA	90KVA
<b>Input</b>								
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							
<b>Output</b>								
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							
<b>ENVIRONMENTAL</b>								
Ambient temperature	0°C to + 45°C, 10 to 90% RH non-condensing							
Cooling method	Forced Air Cooled							
<b>Display</b>								
LCD Display	4 Line LCD Display, showing I/P, O/P Voltage , load Percentage, Fault Annunciation, Event log(optional)							
<b>Protections</b>								
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							
<b>Physical</b>								
Dimensions (L X W X H in mm)	800 X 460 X 550			550 X 450 X 775			600 X 500 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,**

Numax Energy Solutions  
 Plot no.50&51, Narayanaswamy Nagar, Old village, Block-2, Cherlapally, Hyderabad,500 051.  
 E-Mail: sales@numaxups.co.in

