

# DS Series

DS-5k-40k (1:1)  
DSP Controlled IGBT  
Based  
Static Voltage Stabilizer

**Dataera EV Systems LLP** Established in Year 2010 with a team of Technocrats having vast experience of 25 years in the field of Power Electronics to provide the industry with innovative high quality Power System and Power Conditions.

## Features

1. Digital Signal Processor
2. LCD Display for Parameters
3. Overload Protection
4. 1:10 ratio crest factor
5. Natural Air Cooled
6. High Efficiency
7. AutoBypass

## Applications

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



## Specifications

Model	DS51A/B/C	DS7.51A/B/C	DS101A/B/C	DS151A/B/C	DS201A/B/C	DS251A/B/C	DS301A/B/C	DS401A/B/C
Topology	DSP Controlled IGBT Based Static Volatage Stabilizer							
Phase Sequence	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
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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.