

DS Series

DS-5k-90k (3:3)

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	DS53A/B/C	DS103A/B/C	DS153A/B/C	DS203A/B/C	DS303A/B/C	DS453A/B/C	DS753A/B/C	DS1003A/B/C
Topology	DSP Controlled IGBT Based Static Volatage Stabilizer							
Phase Sequence	Three Phase to Three Phase							
Capacity	5KVA	10KVA	15KVA	20KVA	30KVA	45KVA	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 311 V	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.