

DHS Series

DHS-5k-90k (3:3)
DSP Controlled IGBT Based
Static Voltage Stabilizer

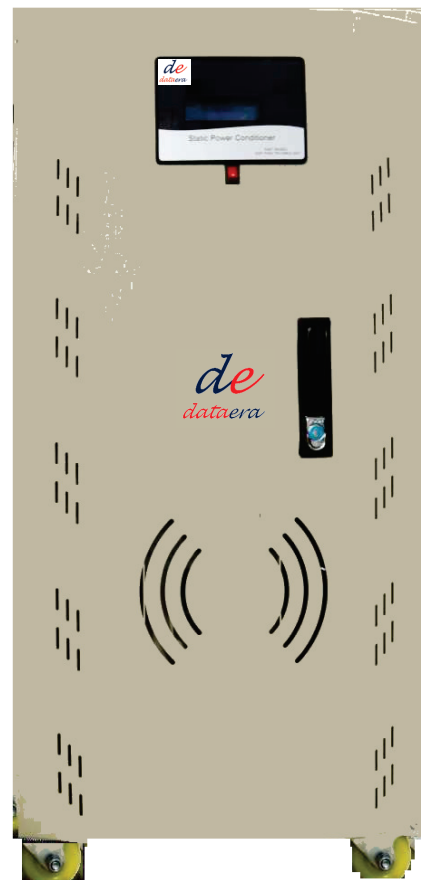
Dataera EV Systems LLP Established in Year 2010 with a team of Technocrats having vast experience of 25 years in the field of Power Electronics to provide the industry with innovative high quality Power System and Power Conditions.

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. Auto Bypass

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	DHS1003A	DHS1253A	DHS1503A	DHS2003A	DHS2503A	DHS3003A
Topology	DSP Controlled IGBT Based Static Volatage Stabilizer					
Phase Sequence	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			
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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.