

Technical Specification IGBT Based Static Voltage Stabilizer

SPECIFICATION	SINGLE PHASE	THREE PHASE
INPUT		
Capacity	1KVA TO 10KVA	10KVA TO 30KVA
Technology	IGBT based PWM Inverter	IGBT based PWM Inverter
Nominal input voltage	230 V AC Single Phase	415 V AC Three Phase
Normal operating Voltage	170- 270 V AC Single Phase (or as per requirement)	360-460 V AC Three Phase (or as per requirement)
Relaxed operating voltage	160-300V for liberal regulation within rated input current capacitor	
Operating Frequency	47 – 53 Hz	47 – 53 Hz
Input circuit breaker	Provided (with limited inrush current capability)	Provided (with limited inrush current capability)
Ac connection	Terminal block (Lin ,Nin and ground wires) provided	Terminal block (L1in,L2in,L3in ,Nin and ground wires) provided
Ambient Temperature	10°C to 45°C	10°C to 45°C
Trip And Restart	Auto / Manual	Auto / Manual
OUTPUT		
Nominal output voltage	230 V AC Single Phase	415 AC Three Phase
Output Voltage Adjustable	220 – 240 V AC in Single Phase	380 – 415 V AC in Three Phase
Output Voltage Regulation	230± 1%	415± 1%
Output Frequency	50Hz	50Hz
Ac connection	Terminal block (Lo ,No and ground wires) provided	Terminal block (R,Y,B ,Nin and ground wires) provided
Panel Indications	Input – On Output –On Input – Low Output -high Trip	Input – On Output –On Input – Low Output -high Trip
Display	Digital Display, LCD Type - Micro Controller Based	Digital Display, LCD Type - Micro Controller Based
Mode of system	Fully automatic / manual	Fully automatic / manual
Protections	Low voltage protection High voltage protection Overload protection with MCB / MCCB Short Circuit protection Single Phasing preventer	Low voltage protection High voltage protection Overload protection with MCB / MCCB Short Circuit protection Single Phasing preventer
ENVIRONMENT		
Ambient Temperature	0°C to 45°C	0°C to 45°C
Cabinet cooling method	Fan Forced-Cooled	Fan Forced-Cooled
PHYSICAL(W*H*L)		
Warranty		