VOLTAINER
TECHNOLOGIES

TECHNICAL SPECIFICATION SHEET

10KVA - 75KVA

Air Cooled Servo Voltage Stabilizer

Digital microprocessor based servo control



ELECTRICAL RATINGS	
Capacity	10KVA - 75KVA
Input voltage / frequency	340-480 V AC (L-L) / 47-63 Hz
Output voltage	415 V ±1% (L-L)
Efficiency / power factor effect	98% / Nil
Overload capacity	120% of total capacity for short duration
MCCB	32A TO 125A
CONTROL & PERFORMANCE	
Control method	Digital microprocessor based servo control
Servo motor	AC synchronous servo motor
Flexible operation	Suitable for unbalanced input voltage and unbalanced load
Response time	Instantaneous (10 milliseconds)
Correction speed	>10 V/sec
Auto / manual operation	Auto / manual facility for individual phases
Dimmers	OEM make, individual phases
Buck-boost transformers	OEM make, individual phases
Harmonics	Harmonic reduction technology with special transformer
DISPLAY & PROTECTION	
Display	4-line LCD: input / output voltage, fault / trip messages and trip history
Protections & alarms	Overcurrent; phase sequence; earth leakage; single-phase prevention fault alarm system; short circuit; earth and neutral protection
CONSTRUCTION & ENVIRONMENT	
System construction	As per 9815
Enclosure / use	Indoor type, IP54
Cooling	Air cooled
Ambient temperature	-15°C to +50°C
Terminal connection	Heavy-duty busbar with high-tensile bolt
Maintenance bypass	Bypass switch as alternate changeover backup system, with input and output isolation in bypass mode for no downtime during maintenance.