

PROTECT

Your *Critical Equipment*

CE



Ideal Power Solution for the New Generation of Extra Sensitive Equipment

Static Voltage Regulator



Fast Voltage Correction

- Any variation within Input range is corrected within 20ms
- Steady Output Voltage - No Hunting or Overshoot



Wide Product Range

- Ratings 15 - 200 kVA 3 Phase
- Multiple Input ranges to suit various operating environments



High Operational Reliability

- No moving parts, no wear & tear
- Low maintenance - Fit & forget



Complete Protection

- Short Circuit, Under voltage, Over voltage & Overload trip
- Single Phasing & Phase Reversal trip
- Spike & Surge Protection
- Static & Manual Bypass provision



Fully Solid State - IGBT Technology

- High speed 20 kHz PWM switching using DSP technology
- AC - AC PWM Switching topology - No Harmonic distortion
- Noise Free - silent operation

KRYKARD is India's leading power and energy management brand with more than 400,000 installations of Power Conditioners and over 150,000 installations of Portable and Panel Load Managers

Contact us for more info



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About Krykard Static Voltage Regulator (SVR)

KRYKARD Static Voltage Regulator provides instantaneous voltage correction to power the new generation of machines that are sensitive to even small voltage fluctuations. SVR is a DSP controlled IGBT based Voltage Regulator that uses Pulse Width Modulation technique (PWM) to provide accurate and high-speed voltage correction (The KRYKARD SVR uses a new switching topology where PWM is made directly in AC-AC switching, without any harmonic distortion). Our AC-AC PWM topology offers simplicity in design and reliability in operation due to lower component count and improves the efficiency and reliability.



Specification	
Ratings	15 kVA to 200kVA - 3 Phase, 4 Wire
Nature of Cooling	Air cooled
Control Type	DSP based IGBT PWM switching
Input Voltage Ranges	SVRT-6060: 360 - 460@ 410 V (LS Series - 15 - 100 kVA; HS Series - 125 - 200 kVA)
	SVRT-4080: 340 - 480@ 410 V (LS Series 15 - 60 kVA; HS Series - 75 - 125 kVA)
	SVRT-2080: 320 - 480@ 400 V (LS Series 15 - 50 kVA; HS Series - 60 -100 kVA)
Output Voltage	400 V +/-1% for 320 - 480 V
	410 V +/-1% for 360 - 460 V & 340 - 480 V Ranges
Voltage Regulation	+/- 1%
Efficiency	>97%
Input Frequency	47Hz to 53Hz
Wave Form	Same as Input
Effect of Power Factor	Nil
Voltage Sensing Time	< 10ms (within 1/2 Cycle)
Voltage Correction Time	< 10ms (within 1/2 Cycle)
Under/ Over Voltage Cutoff	Electronic cutoff circuit with graded time delay, set @ +5% / -10% of nominal output voltage
Overload Cutoff	CT based Electronic cutoff circuit with graded time delay, set @ 110% of rated full load current
Short Circuit Protection	MCB/MCCB provided
Single Phasing Prevention	Provided
Phase Reversal Trip	Provided
Transient Protection	Surge Suppressor Type 2 at Input & Spike suppression through MOV at Output are provided
Stabiliser Bypass	Manual Bypass is provided
	Auto Static Bypass is also provided
Emergency Off-Switch	Provided
Earth - Neutral High Voltage Trip	Provided
Input High Voltage Trip	Optional
Resetting Mode	Resetting Mode Manual / Auto option provided with programmable time delay
Display Type	2 Line LCD Panel
Parameters Displayed	Input & Output Voltages (Line & Phase)
	Output Currents & Frequency
Event Log	Provided for up to 100 Trip Events
Input / Output Terminations	Bolted terminals provided.
Operating Temperature	0 to 50 deg Celsius
Duty Cycle	Continuous
IP Class	IP 20, Indoor Application