KRYKARD®

SERVO CONTROLLED VOLTAGE STABILISER



Atandra Energy Pvt. Ltd., with years of experience in Power Conditioning & Energy Management, provides innovative solutions to your power conditioning needs. KRYKARD Servo Stabilisers have set the standard in the industry for product design and quality in over 300,000 installations over the years.

Applications	 CNC machine tools Injection Moulding machines Textile machines - Spinning, Weaving, Knitting, Embroidery, Garments manufacturing Printing machines Medical Equipment Food Processing machines Air Conditioning
Comprehensive Protection	 Under / Over voltage trip - The trip points can be set as per machine requirements Electronic Overload trip - CT based current sensing for accurate and reliable protection, activates beyond 110% of rated current, with programmable time delay to override inrush currents Short circuit protection Single phasing protection Phase reversal protection Manual service bypass for emergencies Emergency stop for safety
Also Available	 1 phase Servo Stabilisers 2 phase Servo Stabilisers 3 phase input / 1 phase output Servo Stabilisers 3 phase Residential Servo Stabilisers Isolation Transformer Stabilisers with built-in Isolation Transformers Step up / Step down Transformers



TECHNICAL SPECIFICATIONS

Parameter	3 Phase Unbalanced Air cooled	3 Phase Unbalanced Oil cooled	
Rating (kVA)	3-150	3-2000	
Type of cooling	Air	Oil	
Input voltage range (V L-L) *	310-480 / 340-480 / 360-460		
Output voltage (V L-L) *	415 (380V/400V - optional)		
Output Voltage Regulation	1% of nominal output voltage		
Input frequency range	47Hz – 53Hz		
Efficiency	>97%		
Effect of Load Power Factor	Nil		
Waveform Distortion	Nil		
Type of Servo Control	Micro Controller based True RMS sensing and correction		
Servo Motor Drive	Triac based drive for AC Step Synchronous motor		
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 upto 100 kVA. For 125-200 kVA HRC fuse (MCCB optional)		
Single phasing prevention	Provided		
Phase Reversal Trip	Provided		
Stabiliser bypass	Provided up to 50 kVA 3-phase; Optional > 50 kVA		
Transient Suppression	Spike Suppression through MOV is provided (Surge Arrestor is optional)		
Emergency Off Switch	Provided		
Frequency cut off protection	Optional		
Input High Voltage Trip	Optional		
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		
Parameters displayed	Fault Annunciation, Event Log		
LED indications	Non Latching LED lamps for Input Present, Output Normal, MCB Trip, Stabiliser Bypass (if Bypass Switch is provided)		
Input / Output Terminations	DIN Connectors upto 100 kVA, Busbar or Bolted terminals for ratings >100 kVA		

* Custom settings or ranges possible

Some Prestigious Customers



Other Products In Our Range



measure. protect. conserve

Atandra Energy Private Limited

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> Revision: May 2016. Specifications are subject to change without prior notice. KRYKARD is a registered trademark owned by Atandra Energy Pvt. Ltd.

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🦸 Lighting Energy Savers 🖸 Isolation Transformers 🖸 Portable Load Managers 🛛 🏶 Panel Load Managers 🛛 🗱 Energy Management Software