

# Experience the Power<sup>5</sup> Advantage



## KRYKARD<sup>®</sup>

### Single Phase Servo Controlled Voltage Stabiliser

The KRYKARD Servo Stabiliser from Alacriy Electronics Ltd. has been setting the standard in the industry for product design and quality since 1986. More than 50,000 satisfied customers and over 200,000 KRYKARD Servo Stabiliser installations stand testimony to Alacriy's commitment to customer satisfaction. With expertise in Power Conditioning & Energy Management developed over 20 years, Alacriy Electronics continues to provide innovative solutions to your power conditioning needs.

#### Compact & Elegant

The KRYKARD 1-phase Servo Stabiliser provides complete protection to your sensitive equipment even as it is attractively designed to match the aesthetics of your modern equipment and work place.

#### Power<sup>5</sup> Advantage

KRYKARD 3-phase air cooled Servo Stabilisers offer the unique Power<sup>5</sup> Advantage that enhances the quality of user experience & enables realization of true value from our products. The KRYKARD Power<sup>5</sup> Advantage guarantees you:

- Performance
- Protection
- Payback
- Productivity
- Peace of Mind

#### Power<sup>1</sup> - Performance



Every KRYKARD Servo Stabiliser is designed and built tough to eliminate breakdowns while providing safe and stable voltage to your critical equipment.

#### Designed tough

- Designed for continuous duty full load operation
- Appropriately rated components for low component stress, low fatigue failure
- Designed for high efficiency

#### Built tough

- Accurate voltage control through rugged AC stepper motor with low wear & tear.
- Motor controlled through triacs for fast correction
- IC based electronics for accurate controls and reliability
- Independent Voltage control and Protection circuits.
- High efficiency patented Aluminium foil wound transformer (AFT)
- Good quality components of proven reliability offer excellent service life.

#### Power<sup>2</sup> - Protection



KRYKARD Stabilisers protect your critical equipment against harmful conditions prevailing in the Utility supply. Protection features are standard with KRYKARD and not optional - because failure of your equipment due to poor power quality is not an option.

KRYKARD's fully independent Protection Circuit is operational even in the rare event that the Servo control system fails.

100% Protection against –

- Under voltage / Over voltage
- Overload & Short circuit
- Spikes & Surges

#### Power<sup>3</sup> - Payback



KRYKARD Stabilisers have the lowest life cycle cost in the industry

- High efficiency results in energy savings year after year, paying for itself many times over.
- Low maintenance cost
- Long life span – 15 to 20 years

#### Power<sup>4</sup> - Productivity



#### High Uptime assured

- High reliability through design
- Proactive Preventive Maintenance to eliminate breakdowns
- Convenience of preventive maintenance scheduled to suit User's preference of timing.
- Quick on-site response to break downs - within 6 working hours in service center towns.
- A network of service centers throughout South India and Maharashtra ensures that no installation is more than a day away from us.

#### Power<sup>5</sup> - Peace of Mind



- 1 year 'No - Questions- Asked' Guarantee. No fine print.
- Convenient options on Post guarantee Maintenance Plans.

**KRYKARD - Complete ownership satisfaction.**



## Technical Specifications

Input regulation range	170V to 270V	
Nominal output voltage	230V $\pm$ 1%; Internally settable to 220V / 240V. <b>Note:</b> Change in output voltage setting will result in shift in input regulation range..	
Input Frequency Range	47 Hz – 53 Hz	
Average correction rate	35V per sec	
Waveform distortion introduced by regulator	Nil	
Effect of load power factor on output voltage	Nil	
Output voltage indication	Digital voltmeter with 1V resolution, 0.5% accuracy	
Servo motor drive	AC synchronous stepper motor	
Output Under / over voltage Cut-off	With graded time delay	
Upper limit :	5% $\pm$ 2V above nominal	
Lower limit :	10% $\pm$ 2V below nominal	
Electronic overload cut-off	Above 110% of rated output current with graded time delay	
Fault annunciation indications	Input present, output normal, input high, input low, output high cut-off, output low cut-off, output overload cut-off	
Resetting mode	Automatic restart with adjustable time delay (Default setting 15 secs, can also be set for 3 minutes)	
Input & output terminations :		
<b>Rating</b>	<b>Input</b>	<b>Output</b>
1 kVA	1.5m long cable with a 5A plug	Built in 5 Amp 3 pin socket
2 kVA	1.5m long cable with a 15A plug	1.5m long cable
3 kVA to 5 kVA	1.5m long cable	1.5m long cable
7.5 kVA to 15 kVA	Built in 6 way terminal connector	
<b>Note:</b> Any additional sockets, cabling or accessories required for installation of the stabiliser will be in the customer's scope		
Optional accessories :		
1 kVA to 5 kVA :	RFI Filter & Spike Suppressor	



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### Model Selection guide:

KRYKARD 1-phase Servo Stabilisers are also available in line-to-line (2-phase) configuration. 1-phase and 2-phase models are available in air cooled & oil cooled models.

### Convenient maintenance plans

**Comprehensive Annual Maintenance Plan (AMC):** 'No-questions-asked' all inclusive Service Plan

**Service & Preventive Maintenance Plan (SPM):** Convenient & economical plan for large installations

**Proactive Maintenance Plan (PMP):** Scheduled Maintenance to prevent / minimize failures. Fault repair costs extra

**On-Call service:** For Fault repair. Service charges & spares on actuals

### Market Impact

Organisations that value uptime of their critical machines prefer KRYKARD and are regular buyers. Among them are:

**Medical:** Apollo, Child Trust, Amala Cancer, Aravind Eye, PVS Hospital, L. V. Prasad Eye, Manipal Hospital, Satya Sai Specialty

**Research:** CLRI, IISc, TIFR, ARCI, DMRL, IGCAR

**Edn. Inst.:** Anna Univ., Bharathidasan Univ., IIT(M), TNAU,

**Packaging:** Aavin, Milma, Hatsun, Marico, Britannia, Sakthi Masala

**Mfg:** Astra Microwave, Auro Lab, BIOCON, Dr. Reddy's Laboratories, Shantha Biotechnics

**Printing:** Autoprint, Everest Litho Press,

**Film Production:** Balaji Photo Films, Picture Prodn, Prasad Labs, Suresh Prodn, Vijaya Colour

**Theatres:** Satyam, Mayajal, Ajantha, Gajalakshmi, Mappillai, Sona Meena, Cauvery, Santosh, Navavrang, Anand, Sivaganga, Tivoli,

**Textile:** Viswateja Suryavanshi, Kallam, KG Denim, Best Cotton, Sambandam, Eveready, Premier, Fulchand

### Product Range & Services

- Servo Controlled Voltage Stabilisers
- True Online UPS Systems
- Isolation Transformers, Auto Transformers
- After-Sales-Support

### Our Local Representative



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