

Experience the Power⁵ Advantage



KRYKARD[®]

3 Phase – Oil Cooled Servo Controlled Voltage Stabiliser OU / OB / OR / OL Series

The KRYKARD Servo Stabiliser from Alacrity 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 Alacrity's commitment to customer satisfaction. With expertise in Power Conditioning & Energy Management developed over 20 years, Alacrity Electronics continues to provide innovative solutions to your power conditioning needs.

Scope for Energy Conservation

KRYKARD 3-phase Oil cooled Servo Stabiliser is designed for large loads and enables increased productivity and improved performance of critical production equipment. It offers scope for energy conservation and improved power factor. Avail the benefits of clean power and stable voltage for all your production equipment and increase their productivity.

Reliability in Dusty Environment

KRYKARD 3-phase Oil cooled Servo Stabiliser protects against ingress such as cotton fluff, chemical dust, starch powder, etc. making it a "fit & forget" equipment even in the most dusty environment.

Power⁵ Advantage

KRYKARD 3-phase oil cooled Servo Stabilisers offer the unique Power⁵ Advantage that enhances the quality of user experience & enables realization of true value from our products. The KRYKARD Power⁵ Advantage guarantees you:

■ Performance

Power¹ - Performance



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

- 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.

■ Protection

Power² - Protection



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 / Over voltage, Spikes & Surges
- Overload & Short circuit
- Single Phasing

Power³ - Payback



Lowest live 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

■ Productivity

Power⁴ - Productivity



High Uptime assured

- High reliability through design
- Proactive Preventive Maintenance to eliminate breakdowns
- 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.

Power⁵ - 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

Nominal Output Voltage	415 V. Internally Settable to 380 V / 400 V
Input Voltage range at 415 V output voltage Model OU / OB / OR / OL - 1080 Model OU / OB / OR / OL - 4080 Model OU / OB / OR / OL - 6060	310 V – 480 V 340 V – 480 V 360 V – 460 V
Input Frequency Range	47 Hz – 53 Hz
Type of Stabiliser	3-phase oil cooled Servo controlled voltage Stabiliser
Output Voltage regulation	± 1% of nominal Voltage
Output voltage correction rate	Up to 25 V/sec (L - L)
Servo Motor Drive	A.C. Synchronous Stepper Motor
Efficiency	> 97%
Output Voltage Indication	Digital Voltmeter with phase selector switch to read line voltages
Resolution and accuracy of Digital Voltmeter	1 V; 0.5% ± 1 digit
Output Under / over voltage Cut-off Upper limit Lower limit	5% ± 4 V above nominal 10% ± 4 V below nominal
Electronic overload cut-off	Above 110% of rated current
Short circuit protection	HRC Fuse at input
Spike & Surge suppression	By MOV connected across output terminal
Single Phasing prevention (in OU / OB Series)	By Voltage sensing method.
Service By-pass	Change over switch provided up to 50 kVA. For higher ratings external change over Switch to be installed by customer.
Fault annunciation panel Operate Caution Cut off	Input ON, Output ON Input High, Input Low Output u / o voltage cutoff, Output overload
Resetting mode	Automatic Restart with time delay of 15 sec (3 mins time delay optional)
Housing	Oil tank mounted on castor wheels
Ratings Available	3 kVA to 1000 kVA 3-phase



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Choice of models:

Choose the model based on load & input conditions.

'OB' series: For 3-ph motors (balanced load) and HT incoming supply (balanced input voltage) – as in textile mills

'OU' series: For unbalanced incoming voltage, 3ph/1ph mixed load

'OL' series - output set @ 208V LN - for energy conservation in lighting

'OR' series: For 1-ph loads connected on 3-phase supply.

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

Textile: Ganesa, Gangotri, KG, Lakshmi, Prathistha, Precot, Premier, Ramalinga, SCM, Tuticorin, Sholinghur, Kottayam, Gokak, Mulberry Silks, GTN, ICM, Kallam, Suryalata, Suryavanshi, Agrawal Indotex, Gimatex, PV Tex, RSR Mohota

Indl. machines: Bartronics, Brakes India, Hwashin, India Pistons, Pepsico, Rane EVL, Videocon

Printing: RR Donnelly, INPAC, Tholasi Prints, Ramya Reprographics

Group Loads: DEECEEE, JV, Leeds, Mudra, Silvercrest, LT Karle, Bulk Liquid, Bharat Tissus, Hotel Oberoi

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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