

Precise Correction, Complete Protection.

Power Management Unit (PMU)

PMU SERIES - SINGLE / THREE PHASE AIR COOLED

PMU - 5 kVA To 50 kVA

SCS integrates and controls the commercial mains and DG by continuously true RMS monitoring, PLC & thyristor controls.

It minimizes the downtime of the DG by providing a wide band stabiliser with Isolation Transformer and intelligent site battery supervision system.



Airkom Electronics Pvt. Ltd (AEPL) is a part of AIRKOM GROUP. It has its Head Office and Factory at Navi Mumbai. Established in 1987, Airkom has its operations across the country. AIRKOM range of power conditioning products are manufactured, marketed and serviced by a young and dynamic team of engineers lead by a technocrat over 40 years experience.

SALIENT FEATURES

- ✓ Healthy phase selector and Surge suppressors protects and provides a healthy supply to the system and improves its performance.
- ✓ Healthy phase selector eliminates the EB neutral sensing and passes the healthier two phase out of three phase to the stabiliser.
- ✓ Static stabiliser with a wide operating voltage range isolates and stabilize the incoming supply with a high speed PLC and thyristors.
- ✓ High speed correction of greater than 350V/sec compared to 35v/sec in conventional servo stabilizers.
- ✓ Intelligent AMF controller monitors the commercial mains input voltage, Stabiliser output voltage, Site battery status and Shelter temperature and control the DG automatically.
- ✓ This intelligent control makes the DG OFF automatically once the Shelter temperature and Site battery voltage is within the limits. It also monitors DG parameters and switches OFF the DG automatically during fault conditions.
- ✓ Battery charger in the system with the Voltmeter / Ammeter display charges the DG battery and enable the user to control the DG manually.
- ✓ Even at Manual state, the AMF controller still monitors the DG parameters and switches OFF the DG at fault conditions.
- ✓ Temperature, door lock & overload monitoring and control facilitates the user to take necessary actions easily.
- ✓ Potential free contacts given for fault conditions and Mains & DG Status can be extended for remote monitoring.
- ✓ User friendly front panel keys and displays enable the user to view the parameters, events, logs and set the limits for alarms.
- ✓ Switching contactors has been provided with two stage interlocking to ensure fullest protection.
- ✓ Individual MCBs with appropriate rating for all the loads and surge suppressors has been provided for better control and protection.

- Servo Control Voltage Stabilizer
- Uninterrupted Power Supply (UPS)
- Power Management Unit (PMU)
- Power Saver Unit
- Industrial Automation - Drives, Motion & Control
- Isolation / Ultra Isolation Transformer
- Step Down / Step Up Transformer
- After Sales Support

AIRKOM[®]

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STATIC STABILISER	
1. Input Voltage Range	240 480 Volts L - L
2. Output Voltage Range	220 volts± 10%
3. Input Low Cutoff Voltage	240 Volts L - L
4. Input Low Cut-in Voltage	260 Volts L - L
5. Input High Cut-off Voltage	480 Volts L - L
6. Input High Cut-in Voltage	465 Volts L - L
7. Overload Cut-off	110% of the rated capacity
8. Correction Speed	350 Voltage per Sec
9. Response Time	Less than 10 m/s
AMF Controller	
	Micro controller Based with true RMS monitoring and control
	With RS232 port for PC interface
	With internal memory to store 50 events and alarms
	With Potential free contacts for alarms for remote monitoring
	LCD display with menu pad to view the parameters, alarms & events and set the parameters, alarm limits
	LED display to view the system voltage, current & frequency
DG Battery Charger	
	SMPS charger with boost / trickle charging with meters
	Provision for Manual ON & OFF of Generator
DG Low voltage cutoff	195 V
DG high voltage cutoff	250 V
Protection	
1. Lightning protection	Class B protection
	10/350 micro seconds
	50 kA between L - N
	100 kA between N - E
2.. Surge Protection	Class C protection.
	8/20 micro seconds 20 kA
3. Mains / DG changeover	PLC based & contactors with two stage interlock
Display	
	LCD display to display the status, alarms, events and program the limits. LED's to indicate the status of the system
	Seven segment display to view the system voltage, current and frequency
Load Distribution	
	MCB's provided as per customer's request
kVA rating available	5 / 7.5 / 12.5 / 15 / 20 / 25 / 40 / 50

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication
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For more product information please contact us:

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