

For the First time
High Technology
AMF Panels for Luxury Homes, Hotels,
Show Rooms, Nursing Homes etc.



Introducing **SSK CPX** SERIES



Power Failures are History



Perfectionist
who has always wanted
the best.

Relax

Power Cuts are History.



Presenting The most Sophisticated Control Panel which will be your day and night bodyguard as with the highest level of technology. This control Panel will remain awake while you will sleep in comfort. The speed at which it will automatically switch on and switch off your generating set, You will refuse to believe that there is power shortage. The installation of this panel will eliminate wastage of power and will save valuable money which we generally waste. This has been achieved by in-corporating the worlds most reliable woehner clip on bus bar system from Germany. All electrical controls are now provided at one point for the convenience of the user. This panel is totally dust proof and will give years of un-interrupted service. The automatic switching on and switching off the D. G, Set is through a sensitive high technology PLC with diagnostics.



High Technology
AMF Panel



High Technology AMF Panel

TECHNICAL FEATURES OF AMF PANEL

Technical Features of AMF Panel :-

We are specialized in manufacturing AMF Panels. Our panel comes with various functions and timers which help in the efficient running of the AMF Panels. It also consists of the metering facilities for monitoring of the Frequency/Current and Voltage. We can also customize it according to the client specifications and details.

Applications :-

AMF Panel or Auto Mains failure Panel is designed to supply power on occurrence of power failures .These panels are installed between generators and main power supply. In case of main supply failure, AMF Panel, disconnects the mains from the load, actuates generator and shifts load to generators output. On restoration of main supply, generator automatically stops, gets disconnected and the load again comes on the mains. In the meanwhile, AMF Panel goes back to standby mode and gets ready to tackle another failure in main power supply.

Key Features:-

- Uninterrupted power supply to the load.
- Protects DG Set.
- Easy to operate.
- Prevents damage to load during fluctuation of voltage.
- Available in dual mode of operation (automatic and manual).
- Swift start and stop sequences.
- Audio/Visual indication of various fault conditions.
- Precisely marked controls and indicators to avoid confusion.
- Detection of mains failure and voltage fluctuation.
- Pre-set and adjustable time delay feature avoids unnecessary starting of the generator in case of short-duration failures in main power supply.
- Long Life.
- Touch safe so, least maintenance required.

Power Output

Operating Voltage : 3 Phase 415V AC & 50Hz
Control Voltage : 1 Phase 230V AC, 50Hz & 12 V DC



Input Supply

Supplies : Normal and Diesel Generator
MCCB for Normal and DG Supply
Contractors for Main and DG Supplies.

Mertering Instruments :

Digital Ammeter with inbuilt Selector Switch
Digital Voltmeter with inbuilt Selector Switch
Indicator Red, yellow, Blue for DG and Normal Supply

Programmable Features:-

- DG Voltage, frequency under/over.
- Over Current.
- Number of starts crank & crank time.
- Ideal running time, battery low & LLOP.

Relay Features:-

- Provides continuous monitoring of three-phase.
- Voltage/current/frequency of mains & DG.
- Monitoring of battery voltage.
- Automatic shutdown during DG fault.
- Fault indication via LED/LCD.
- Configurable solid state output.
- Auto/Manual Selector is available.
- Auto delay in start of genset.
- Genset stop automatically with delay.
- Auto LLOP (Low Lube Oil Pressure) and (High Water Temperature) protections are available.

3 - Way Protection System

Over load Protection & Short Circuit protection through main incomer of fuse Switch
Disconnecter of Woehner make short circuit and overoad Protection through MCCBs.



Our Range of AMF Panels

MODEL NO.	KVA
SSK CPX-32	32
SSK CPX-40	40
SSK CPX-50	50
SSK CPX-65	65
SSK CPX-75	75
SSK CPX-85	85
SSK CPX-110	110

We also make panels in accordance with customers specific requirements, therefore we have a complete capacity to make panels upto **500KVA**.



Protection Relay

Digital Protection Relay provide the protection against short circuit, over load, earth leakage and phase sequence.

Woehner Clip on bus bar system

- Pure Electrolyte Cu. Bus Bar used is Tin Plated.
- All MCBs and MCCBs mounted on Clip on type Bus Bar system of suitable for the rated Adaptors.
- No, Separate Bus Bar Chamber required.
- There is no drilling on the Bus bar therefore there is no deration of the bus bar.
- No, loose connection on the Bar because all the bare contacts are spring loaded.
- Universal acceptance of all the Switchgear manufacturer. i.e. ABB, L&T, Schneider, Siemens etc.
- International Approved Standard i.e. IEC, VDE, DIN, UL, GERMAN L LOYED etc.

Power Saving System

No, need to drill on Bus Bar by using Woehner System, all the tapings through push fit terminals.
Means INPUT POWER = 100% OUTPUT.

Future Expansions

Easily expandable the Feeders in future by using Clip on Technology.

No Need for Separate MCB Distribution Boards

No, Separate MCB Distribution Boards required. All MCBs for different sections mounted on Bus Bar mounted Adaptor in a single lane.

Outgoing Feeders

Different rating SP/TP MCBs of SSK make.

Approvals of Panels with Woehner System

Our Electrical Control Panels are approved by RDSO, for use in Trains, We also have approvals CPWD, PWD, and MES we also have approvals from reputed private and public sectors undertakings.

Paint

Powder Coated RAL 7035 with Phosphating of Seven Tank Treatment Process.

**Non Compartmentalised
Automatic Power Factor
Correction Panels (APFC) with
Woehner Bus Bar System from 30KVAr to 500KVAr
with heavy duty or normal duty capacitors.**



**Non compartmentalised AC Drives Panel with
Woehner Bus Bar System supplied to Grasim Industry- Baroda.**

We manufacture MCC Panels, PCC Panels, PDB Panels, Feeder Pillars, CDB Boards, AMF Panels, LT Panels. Our Panels conform to IS standards with a degree of protection IP 55. Indian Railways are one of the major users of electrical panels and we enjoy the status of approved suppliers for Indian Railways. Other users are State government, Central government and private organizations of repute.



Cubicle type sectionalized LT Panel made out of CRCA sheet steel, powder coated, suitable for 415 Volt 3 phase, 50Hz AC supply with incoming-MCCB/SFU directly mounted on to the busbar with the help of 4 P / 3 P busbar support of woehner make. The outgoing feeders i.e. MCCBs of suitable ratings mounted on the busbar mounted adaptors of woehner make / SFUs with the suitable rating of copper busbars. The neutral connection / outgoing connection is to be done by the universal conductor terminals of suitable rating of copper wires, directly mounted on the busbar without any drilling.



Cubicle type sectionalized LT Panel made out of CRCA sheet steel, powder coated, suitable for 415 Volt 3 phase, 50Hz AC supply with incomer-MCCB/SFU directly mounted on to the busbar with the help of 4 P / 3 P busbar support of woehner make. The outgoing feeders i.e. MCCBs of suitable ratings mounted on the busbar mounted adaptors of woehner make / SFUs with the suitable rating of copper busbars. The neutral connection / outgoing connection is to be done by the universal conductor terminals of suitable rating of copper wires, directly mounted on the busbar without any drilling.



Cubicle type sectionalized 15Mtrs. long LT Panel made out of CRCA sheet steel, powder coated, suitable for 415 Volt 3 phase, 50Hz AC supply with Double incomer-ACBs of 3200Amp. supplied to Trident Group.

Supply of Power and Control Panel for LHB Power Car with Aerosol based fire extinguisher and MMR.



Supply of Power Distribution Panel as per Railway Specification.
Power Panel for SSC AC Coaches.

Supply of Switch Board Cabinet for LHB EOG AC Coaches.

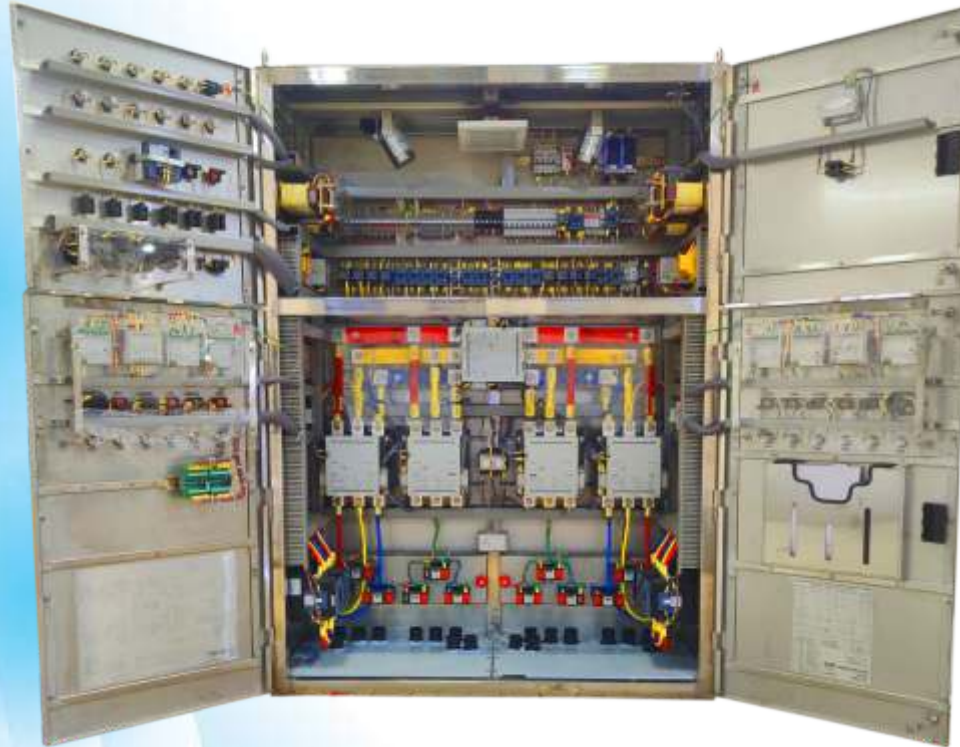


Switch Board Cabinets for LHB type Coaches.

Supply of set of Electrical Panel
for LHB EOG / HOG Garib AC
Coaches.



SET OF ELECTRICAL ITEMS FOR HOG COMPLIANT
LHB EOG NON AC LSLRD COACH





Electrical Excellence
Since 1935

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