



Pragati Electrocom Pvt. Ltd.

SMPS POWER PLANT 48V/3X50A

INTRODUCTION

The power plant ensures the uninterrupted supply of DC current to DC equipment when batteries are connected to it. The rectifier modules are designed to convert the sinusoidal alternating current from the primary mains supply into direct current and to deliver it to the equipment and, in parallel, to the batteries. Batteries connected to the power plant stores energy in order to be able to deliver it back to the equipment in case of primary mains supply become unavailable.

The power plant is designed in modular form. All the rectifier modules are designed to work in parallel with each other and are placed in a single cabinet, which results very high compactness and reliability.

The power plant consists of the following default items:

- Micro-controller based monitor card to monitor all system parameter, status & alarm.
- One outlet for battery including a Low voltage disconnects contactor.
- Mechanical cabinet wired for six rectifier modules.

AVAILABLE OPTIONS:

- Switch mode rectifier modules (PRAGATI 48-50). - Maximum 12 Nos.
- DC distribution protected by MCBs- External or Internal as per customer specification.
- Outlets for battery including a Low voltage disconnect contactor- Maximum up to 3 batteries set termination.
- Mains input connection three phases four wire including/excluding-lightening protection. (As per TEC Specs, the Power Plants using 48V/50A Module shall work on Single Phase Input)

PRAGATI ELECTROCOM (P) LTD. PLOT No. 184 SECTOR-3, IMT MANESAR, PHASE -I,
GURGAON-122050, (HARYANA) INDIA

Telephone: +91-124-2291480, 2291456, 3255376 FAX: +91-124-2291479

E-MAIL: info@pragatielectrocom.com



Pragati Electrocom Pvt. Ltd.

PRAGATI power plant have been designed as per TEC specification to operate safely with any telecom product working on -48V dc.

PRAGATI ELECTROCOM (P) LTD. PLOT No. 184 SECTOR-3, IMT MANESAR, PHASE -I,
GURGAON-122050, (HARYANA) INDIA

Telephone: +91-124-2291480, 2291456, 3255376 FAX: +91-124-2291479

E-MAIL: info@pragatielectrocom.com