



Power Solution Power Management Controller

Key-Features

System Power Sources

- Wind Turbine / Solar Panels.
- DC Gel Batteries.
- Commercial Power.
- 2 x Diesel Generators.
- Fuel Cells.

Sources Selection Priority

- (1) Wind turbine / Solar panels.
- (2) DC Gel Batteries.
- (3) Commercial power (If exist).
- (4) Diesel Generators.

System Manage Components

- 2 x Air Conditioners.
- 1 x Tower light.
- 1 x Fuel Level sensor.
- 1 x Fuel Flow meter
- 3 x Temperature sensors.
- Fire sensor.
- Water leakage sensor.
- Door intrusion.
- AC to DC Rectifier / DC to AC Inverter
- Remote reset for BTS
- System Metallic Bypass

Indications & Alarms Monitoring

- Generator providing Under/Over Voltage alarm.
- Generator providing Under/Over Current alarm.
- Generator start fail alarm.
- Generator Low Fuel Level alarm.
- Generator Oil Changing alarm.
- Room, Ambient and generators Low/High temperature detected alarm.
- Low Power batteries alarm.
- Air conditioner or any manage components start fail alarm.
- Water Leakage alarm.
- Fire alarm.
- Door intrusion alarm

In case of any alarm, an SMS will be sent informing alarm status.(only in GSM mode)



Specifications

Power Supply

- (-48VDC to -60VDC) Power Supply.
- Power Consumption: 60 Watts.

Mechanical Specifications

(PMC)

- 2U, 19 inch high rack mounting shelf. (PMP)
- Height: 8.8 cm - Width: 48 cm Height: 70 cm - Width: 50 cm
- Depth: 30 cm - weight:2.5 Kg Depth: 25 cm - weight:25 Kg

Unit interface Specifications

(PMC)

- 2 x 16 LCD screen for onsite monitoring.
- 4 x Touch buttons for onsite access.
- 8 x Led status indicators.
- Circular connector Y28M9 pins./ Circular connector Y28M19 pins.
- 2 x Circular connectors Y28M4 pins.

(PMP)

- Circular connector Y28M9 pins./ Circular connector Y28M19 pins.
- 15 dry contact connectors

PMC Management & Control

- 10/100 Base T for LAN remote connection.
- Windows based PMC EMS GUI software.
- GSM modem for GSM Data remote connection.