

# POWER - PLUS

## DC POWER SYSTEM



### Type : PP-THY-220V-70A

- IP20 Cabinet
- Thyristor Control
- Metering : DC analog voltmeter and DC analog ammeter
- DC and AC distribution Panel
- Natural Cooling
- Alarm dry contact

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### TECHNICAL SPECIFICATIONS OF THYRISTOR TYPE DC POWER SYSTEM

**Input Voltage :** 380Vac +/- 10% , Three Phase

**Input Current :** 42Amax per phase

**Input Frequency :** 50Hz +/- 5%

**Power Factor :** Greater than 0.8

**Start up time :** 3 sec. From application of line input to output voltage achieving regulation

**Output Voltage :** 220Vdc (nominal voltage)

**Float output :** 242Vdc

**Boost Output :** 253 Vdc (max)

**Output Current :** 70Adc

**Output capacity :** 16,800Watts

**Output Voltage Stability :** +/- 1% from 0-100%

**Ripple Voltage :** less than 5%

**Overload Setting :** current limited to 110% of the rated current

**Radio Frequency Interference :** In accordance with VDE 0875G

**Operation Temperature :** 0 - 40 °C

**Efficiency :** > 80%

**Backup Time :** Depends on the customer's requirement

#### Protection :

**Output Current Limit :** The maximum current delivered by the system can be adjusted.

**Input and output fuse :** The system has built-in input and output fuse to protect the power module from short circuit and overload.

**A/C suppresser :** The system has built-in A/C suppresser to protect from high surge

**Distribution Panel :** Input MCCB and Output MCCB

**Metering :** Analog DC Voltmeter and Analog DC Ammeter