

DC- DC CONVERTERS MODEL DY 224500 (48V/ 20A)



MODEL DY 224500 is a Modular Power System, which uses 2 nos. Hot-Pluggable DY 24500 DC-DC Converter Modules of 500 Watts.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	24 VDC
Voltage Range	20 - 30 VDC
Switching Frequency	100KHz
Efficiency	≥ 85%
Input Current	30A Max
Input Over Voltage Protection	32V Max
Dielectric Strength	1.5KV AC (I/P to O/P & Case)

OUTPUT SPECIFICATIONS

Output Voltage	48V DC
Output Current	20A
Current Limit	22A (Max)
Power	1000 Watts
Output Voltage Trim	Adjustable from 43.2 – 52.8V
Ripple	< 1% of output p-p
Net Regulation	± 0.1V

SPECIAL FEATURES

- ❖ Wide Input Range
- ❖ Transducer for Remote Monitoring 4 – 20mA
- ❖ Potential free contact for Output fail
- ❖ Active current sharing for Parallel Operation

MONITORING DISPLAY

Digital Panel Meter provided for
OUTPUT : VOLTS & AMPS

MECHANICAL

Dimensions	483 (W) x 410 (D) x 280 (H) mm
Weight	22Kg
Input & Output	MCB Terminals
Enclosure	IP20, CRC Sheet Powder Coated 19" Sub Rack Mounting

ENVIRONMENT & SAFETY

Operating Temp	0 °C to 50°C
Storage Temperature	-10°C to 70°C
Cooling	Convection
Operating Humidity	≤ 95 % RH
Safety	Designed to meet IEC 60950
EMI / EMC	Designed to meet CISPR22 Class A/ IEC 61000- 4

[Specification No - DCDC / DY 224500 – \(Rev. 0\)](#)

* Enhancement to the above specifications & Customizing can be considered on request.

* Specifications may or can be altered without notice as per company's continuous improvement Program.