

DC – DC CONVERTER MODULE MODEL DY 48500B (24V/ 20A)



ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	50 VDC
Voltage Range	40 - 60 VDC
Switching Frequency	100KHz
Efficiency	86 % TYPICAL
Input Current	15A Max
Input Over Voltage Protection	62V Max
Dielectric Strength	1.5KV AC (I/P to O/P & Case)

OUTPUT SPECIFICATIONS

Output Voltage	24V DC
Output Current	20A
Current Limit	22A (Max)
Power	500 Watts
Output Voltage Trim	23 – 25VDC(Min)
Ripple	< 1% of output p-p
Net Regulation	± 0.1V

SPECIAL FEATURES

- ❖ 19" Rack Mountable / Table top
- ❖ Over Voltage Protection: 102% Max of Output
- ❖ Over Load Protection: Fold back type
- ❖ Short Circuit Protection: Provided with Auto Recovery

MECHANICAL

Dimensions	106 (W) x 330 (D) x 260 (H) mm
Weight	7.5Kg
Input & Output Connector	12 pin Mate-N-Lok plug
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/	Designed to meet CISPR22 Class A/ IEC 61000- 4

[Specification No - DCDCM / DY 48500B - \(Rev.0\)](#)

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