

## DC – DC CONVERTER MODULE MODEL DY 24500 (48V/ 10A)



### 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	10A
Current Limit	11A (Max)
Power	500 Watts
Output Voltage Trim	Adjustable from 43.2 – 52.8V
Ripple	< 1% of output p-p
Net Regulation	± 0.5V

#### SPECIAL FEATURES

- ❖ 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 Temperature	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 - DCDCM / DY 24500 – (Rev.0)

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