

DC –DC CONVERTER MODULE MODEL DY 481K2 (24V / 50 A)



ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	50 VDC
Voltage Range	42 - 56 VDC
Switching Frequency	100KHz
Input Current	32A Max
Efficiency	> 86 % TYPICAL
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	50A
Current Limit	60A (Max)
Power	1200Watts
Output Voltage Trim	24 – 25VDC (Min)
Ripple	< 1% of output p-p
Net Regulation	± 5 V

SPECIAL FEATURES

- ❖ Wide Input Range
- ❖ Active Current Sharing for Parallel Operation
- ❖ Potential free contact for O/P fail
- ❖ Over Voltage Protection: 102% Max of Output
- ❖ Over Load Protection : Fold back type
- ❖ Short Circuit Protection: Provided with Auto Recovery

MONITORING DISPLAY

Analog Meter Provided for
 INPUT: VOLT / AMPS
 OUTPUT : VOLT / AMPS

MECHANICAL

Dimensions	483 (19") (W) x 300 (D) x 3U (H)132 mm
Weight	16Kg
Input Connector	10 SQ.mm
Output Connector	16 SQ.mm Flying leads
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	Forced cooling by Fans
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 481K2 – (Rev.0)

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