

DC- DC CONVERTERS MODEL DY 3481K2



MODEL DY 3481K2 is a Modular Power System, which uses 3 nos. Hot-Pluggable DY 481K2 DC-DC Converter Modules of 1200 Watts.

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	50 VDC
Voltage Range	43 - 56VDC
Input Current	96A Max
Switching Frequency	100 Khz
Efficiency	86% TYP
Dielectric Strength	1.5KV AC (I/P to O/P & Case)

OUTPUT SPECIFICATIONS

Nominal Voltage	24 VDC
Output Current	150A
Power	3600W
Net Regulation	± 0.1%
Output Ripple	200mVp-p MAX
Current Limit	180A MAX

SPECIAL FEATURES

- ❖ Isolation - MCB's Provided for each Module I/P – O/P.
- ❖ Active Current Sharing for parallel operation.
- ❖ Potential Free Contacts for Output Fail.
- ❖ Buzzer for Module Fail / MCB Trip.

MECHANICAL

Dimensions	640 (H) x 545 (W) x 400 (D) mm
Weight	Approx. 98 Kgs
Input and Output	Busbar Risers provided for I/P & O/P
Enclosure	IP20, CRC Sheet Powder Coated 19" Rack Mounting

ENVIRONMENT & SAFETY

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

Specification No - DCDC / DY 3481K2 – (Rev. 0)

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