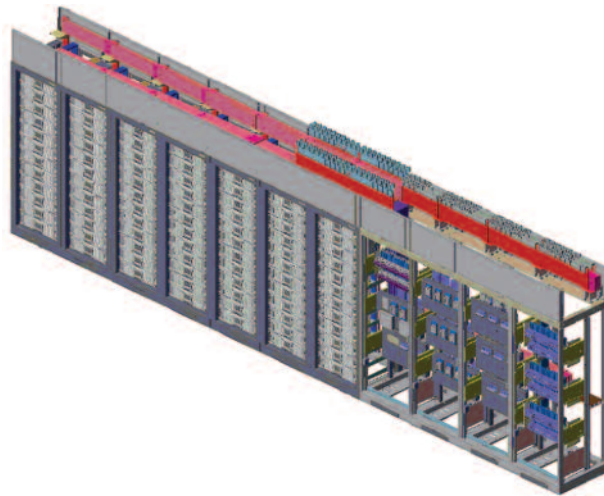


TITAN II 480/7200 DISTRIBUTION POWER SYSTEM



Titan II 7200 Distributed/480 Vac Power System consists of modular Titan II 7200 rectifiers, rectifier bays, a Control and Supervisory Unit (CSU), primary distribution bay and secondary distribution bays. Up to twelve Titan II 7200 rectifiers can be installed in each rectifier bay. Up to seven rectifier bays, one primary distribution bay and five secondary distribution bays can be installed in the system. The rectifiers require a nominal input of 480 Vac, 50 to 60 Hz, and provide an output of -54 Vdc nominal to power the load and maintain fully charged batteries.

The system is controlled by the Control and Supervisory Unit (CSU) mounted on the Primary Distribution Bay. Rectifier and system status, voltage and current settings and alarms are viewed at the CSU. All system parameters are set in the CSU. The CSU also has the interface for the system to the Remote Monitoring System (RMS) software package used for remote or local monitoring and control via a laptop computer or a network.

Main Features

- Amperage up to 10,000 amps at 54 Vdc
- 3-phase rectifier, >0.99 power factor
- Individual AC input, distributed DC output

Applications

- Telecom central offices
- Data centers
- Ferro-replacement

Technical Specifications

Input

AC connection	3-phase, 4-wire & Ground
Nominal voltage	480 VRMS (phase to phase)
Voltage range	264 - 530 VRMS
Frequency range	45 - 65 Hz
Current max./phase	15 ARMS / rectifier
Mains terminal	Terminal blocks (individual AC input)
Input protection	25 A breaker/rectifier

Output

Voltage range	40 - 60 VDC; 54 VDC nom
Power, maximum	540 kW
Amperage, maximum	10,000 A
Bullet type breaker	2 - 250 A
GJ breaker	225 - 600 A
TPL breaker	225 - 800 A

Ordering Information

Rectifier bay	162 1205 00
Primary distribution bay	162 1206 00
Secondary distribution bay	162 1207 00
Rectifier	162 1002 00

General

Height, overall	7 ft
Width / bay	23 inch
Depth, overall	23 inch
Floor load density	122.9 lbs/ft ²
Efficiency	≥ 90 %
Ambient temperature	0 - +50 °C
Relative humidity	95 % max, non cond.
EMI/RFI	FCC class B CISPR 22 class B
Protection	IP 20
Controller	Intelligent CSU

Ordering Information

Rectifier bay	Contact Representative
GJ breaker panels	162.1305.00 (2 pos.)
	162.1306.00 (2 pos.)
	162.1307.00 (2 pos.)
	162.1311.00 (3 pos.)
	162.1312.00 (3 pos.)
TPL fuse panels	162.1313.00 (3 pos.)
	162.1302.00 (3 pos.)
	162.1303.00 (3 pos.)
	162.1304.00 (3 pos.)
	162.1308.00 (4 pos.)
	162.1309.00 (4 pos.)
	162.1310.00 (4 pos.)

TECHNOLOGIES, INC.

1400 Union Meeting Road
P.O. Box 3053 • Blue Bell, PA 19422-0858
(215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630
customersvc@cdtechno.com
www.cdtechno.com

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