



PECO II®

10,000 Amps @ -48VDC

HDS 7200 Power Systems



- ▶ Modular design providing up to 10,000 Amps
- ▶ Wide input voltage range, (176-264V) & (264-530V)
- ▶ Multiple battery and load distribution units
- ▶ User friendly digital controller equipped with BTC, battery testing, and energy management
- ▶ Remote monitoring and control via ethernet connection



■ ■ PRODUCT DESCRIPTION

SYSTEM SOLUTIONS

The HDS 7200 series power system is specifically designed for high power telecommunication applications including switching and exchange centers. The system accommodates a wide variety of configurations using 7ft rectifier bays along with optional supplemental distribution bays. The scalable architecture allows the power system to be fully expanded to more than 10,000 Amps, allowing users' system to grow to meet their network needs.

Bulk power system

The HDS 7200 power system combines a modular design with state-of-the-art technology. The HDS 7200 power system is capable of providing power up to 604.8 kW. It contains up to 7 rectifier bays with 84 rectifiers and various distribution units. Configurable elements include AC and DC distribution, battery distribution, and power system controller.

Battery Termination Bay (TB)

The Battery Termination Bay provides battery connection of more than 10,000 Amps with 2 TB bays. Each TB bay provides ten 800 Amps fuse for battery string connection, which can be configured with an optional shunt and fuse alarm.

Power Distribution Center (PDC)

The Power Distribution Center provides load distribution more than 10,000 Amps with 4 PDC bays. Each PDC bay is providing twelve 800 Amps fuse positions for power distribution protection which can be configured with an optional shunt and fuse alarm.

■ ■ APPLICATIONS

- ▶ Central Switching Office
- ▶ Data Switching Center
- ▶ Mobile Switching Center

■ ■ SPECIFICATIONS

SYSTEM ARCHITECTURE

System	Maximum Power	Maximum Current	Dimensions
Rectifier Bay	86.4kW	1800A	84"H x 24"D x 24"W
BDC Bay	N/A	6000A	84"H x 24"D x 24"W
PDC Bay	N/A	3000A	84"H x 24"D x 24"W

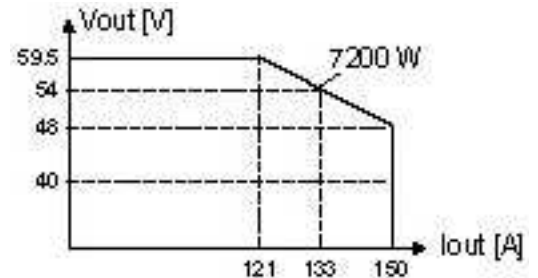
RECTIFIER

INPUT

	High Range	Low Range
Voltage, nominal (V rms)	380/480, 3Ø	208, Ø
Voltage Range (V rms)	264 - 530	176 - 264
Current maximum (A rms)	20	40
Frequency (Hz)	45 – 65	45 – 65
Power Factor	0.99	0.99
THD (%)	< 5	< 5
Start Time Delay	3 – 10 seconds	3 – 10 seconds
Protection	Fuse	Fuse

OUTPUT

Voltage, nominal (VDC)	54
Voltage Adj. Range (VDC)	40 – 59.5
Power Limitations (W)	7200
Current Limitations (A)	150
Efficiency (%)	> 90



Output characteristics

MECHANICS

Dimensions (W x H x D)	19" x 5.2" x 18.9" / 483mm x 131mm x 280mm
Weight	48.8 lbs. / 22kg

SAFETY & ENVIRONMENT

Safety Standards	IEC 60950 EN 60950 UL 60950
Protection Class	IP20
EMC	EN55022 Class B FCC Part 15 Class B
Operating Temperature	23°F to 131°F (-5°C to +55°C)
Cooling	Forced air cooling, front to rear
Relative Humidity, maximum (%)	95, non-condensing

08/2006