



FEATURES

- Scalable Solutions from 10 Amps to 1,000 Amps
- Hot-Pluggable Rectifiers, Converters and Inverters in a Single System
- DC and AC Power Distribution
- Remote Alarm Monitoring and Power Management
- Low Voltage Disconnect Options

NETWORK POWER APPLICATIONS

- Wireless Base Stations
- Wireline Facilities
- DataCenters
- Fiber-To-The-Premise
- Interactive Paging
- Data Only
- Cable TV

OVERVIEW

The Signature Power System from TDI is an industry first for network power deployment. The Signature Power Systems elegantly integrate AC/DC, DC/DC and DC/AC power components into one cabinet to achieve a modular, scalable, tailored solution including N+1 parallel redundancy.

Systems range from 25 to 2,000 amps and offer battery-backed 24VDC, 48VDC, 120VAC, 220VAC, or a combination. Multiple power distribution panels are available as well as Low Voltage Disconnect options. The entire power system is then managed by the Signature controller, which requires no proprietary software or expensive upgrades.

SPECIFICATIONS

AC INPUT

Voltage: 90 - 275, 25 Amp Rectifiers
175 - 275, 50 Amp Rectifiers
Frequency: 47 - 63 Hz

DC OUTPUT

Voltage: 54
V-range: 46-56
Max Power: 1000 Amps

AC OUTPUT

Voltage: 120 or 220
Max Power: 18,000 watts

TEMPERATURE

Operating: -20 C to +55 C
Hi-Temp: de-rate 10% per *C to +65 C
Lo-Temp: turn on at -40 C

AGENCY CERTIFICATIONS

EMI/EMC: FCC Part 15 Subpart J, Class A,
EN55022 A
UL: UL60950
VDE: EN60950

PERFORMANCE RELIABILITY

Manufacturing Test: HASS, 100% of all
Power Modules
Component De-rating: NAVSO P-3641A

DIMENSIONS

Height: 42" to 84", configurable
Width: 19" or 23" Rails
Depth: 24"

POWER MODULE OPTIONS

RECTIFIERS:	25 Amp	SSR12WRB-N54D00
	50 Amp	SSR27HIB-N54D00
AC INVERTERS:	1kVA, 120VAC	LCE15-48-120/H
	1kVA, 220VAC	LCE15-48-220/H
DC DISTRIBUTION OPTIONS		
CIRCUIT BREAKERS:	20 Positions	1 Amp to 200 Amp
	8 Positions	225 Amp to 600 Amp
FUSES:	10 Positions	GMT 1 Amp to 10 Amp
	2 Positions	100 Amp to 600 Amp
AC DISTRIBUTION		
CIRCUIT BREAKERS:	4 Positions	5 Amp to 20 Amp
LOW VOLTAGE DISCONNECTS		
CONTACTOR:	600 Amp	
	1,200 Amp	
SYSTEM MANAGEMENT OPTIONS		
SIGNATURE CONTROLLER:	Standard Alarms	Local only
	Standard Alarms:	w/ modem
	Standard Alarms:	w/ SNMP

