



### FEATURES

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- **Scaleable Solutions from 25 Amps to 2,000 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

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

### OVERVIEW

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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, 50 Amp Rectifiers  
175 - 275, 100 Amp Rectifiers  
**Frequency:** 47 - 63 Hz

### PRIMARY DC OUTPUT

**Voltage:** 27  
**V-range:** 22 - 28  
**Max Power:** 2000 Amps

### SECONDARY DC OUTPUT

**Voltage:** 48  
**Max Power:** 160 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

<b>RECTIFIERS:</b>	50 Amp	SSR12WRB-P27D00
	100 Amp	SSR27HIB-P27D00
<b>DC CONVERTER:</b>	10 Amp705806	
<b>AC INVERTERS:</b>	1kVA, 120VAC	LCE10-24-120/H
	1kVA, 220VAC	LCE10-24-220/H
<b>DC DISTRIBUTION OPTIONS</b>		
<b>CIRCUIT BREAKERS:</b>	20 Positions	1 Amp to 200 Amp
	8 Positions	225 Amp to 600 Amp
<b>FUSES:</b>	10 Positions	GMT 1 Amp to 10 Amp
	2 Positions	100 Amp to 600 Amp
<b>AC DISTRIBUTION</b>		
<b>CIRCUIT BREAKERS:</b>	4 Positions	5 Amp to 20 Amp
<b>LOW VOLTAGE DISCONNECTS</b>		
<b>CONTACTOR:</b>	600 Amp	
	1,200 Amp	
	2,000 Amp	
<b>SYSTEM MANAGEMENT OPTIONS</b>		
<b>SIGNATURE CONTROLLER:</b>	Standard Alarms	Local only
	Standard Alarms:	w/ modem
	Standard Alarms:	w/ SNMP

