



PSA-3000 vs. PSL-3000 Features

IEEE 802.3at & 802.3bt Power over Ethernet

Shared Features

- Scalable 2 to 24 Test Ports
- PSE Continuous Static Loading to > 47 Watts / Port
- 4-Pair PSE Loading to > 99 Watts / Port x 12 Ports
- PSA Interactive Graphical User Interface
- PowerShell PSA Automation Scripting (Tcl based)
- Emulated 802.3bt PD Power-Ups & Loading*
- Certified Commercial Test Equipment (CSA, CE, FCC)

* Assumes PSx-3202 Test Blades Installed

PSA-3000



PSL-3000



PSA-3000 / PSL-3000 Comparison

Feature	PSA-3000 (PSA-3202)	PSL-3000 (PSL-3202)
Automated Test Suites		
802.3at PSE Conformance Test Suite	Optional	<i>Not Available</i>
802.3at Multi-Port Test Suite	Optional: 9 Tests (with Transient Reserve Test)	Optional: 8 Tests (no Transient Reserve Test)
PoE Service Analyzer Application	Standard	<i>Not Available</i>
Multi-Port High Throughput "Quick Test"	Standard, 8 tests, < 15sec/port	Standard, 8 tests, < 30sec/port
Multi-Port Powering and Emulation		
Multi-Port Live 802.3at PD Emulation	Optional	Optional
802.3bt & Pre-802.3bt 4-Pair Analysis		
802.3bt Power-Up & Loading*	Standard	Standard
802.3bt Power-Up Waveform Captures*	Standard	<i>Not Available</i>
Proprietary 4-Pair Power-Up & Loading	Standard (includes LT PoE++)	Standard (no PoE++)
Proprietary 4-Pair One-Button Waveforms	Standard	<i>Not Available</i>
802.3at PSE Analysis		
One-Button Waveforms for 802.3at PSE's	Standard	<i>Not Available</i>
PD LLDP Emulation & Protocol Traces	Optional	Optional
PSE LLDP Emulation & Protocol Traces	Optional	Optional
PD Signature Emulations		
802.3at Single & Two-Event Classification	Standard	Standard
Class & Mark Signatures (0 – 400 mA)	Standard (0.25 mA res.)	Standard (1.0 mA res.)
802.3bt Multi-Event Classification*	Standard	Standard
Detection Signatures (9-39KΩ, 1KΩ res.)	Standard	Standard
Single & Dual Detection Signatures*	Standard	Standard
Power-On Loading Features		
Static Load Current (≤ 950mA per pairset)	Standard (0.25 mA res.)	Standard (1.0 mA res.)
2-Step Transient Current (≤ 1.8A/pairset)	Standard (200μsec–1sec ea.)	<i>Not Available</i>
Edge and Event Transient Load Triggers	Standard	<i>Not Available</i>
Metering Features		
Average DC Voltage and Current	Standard (10 apertures)	Standard (2 apertures)
Peak DC Voltage and Current	Standard (10 apertures)	<i>Not Available</i>
O-Scope Voltage and Current Trace	Standard (14 apertures)	<i>Not Available</i>
Edge, Event, Power-Up Meter Triggering	Standard	<i>Not Available</i>
AC Peak Voltage Metering (0 – 4 Vpp)	Standard	<i>Not Available</i>
Time Interval Metering (6μsec – 15sec)	Standard	<i>Not Available</i>