

Features

- 16 outputs max
- Programmable voltages
- All channels protection OVP/OCP/OTP
- Power good front panel indication
- Voltage sequencing
- ETHERNET remote control
- Independent Data Acquisition for fast voltage/current readout
- Control Application for WIN PC

Description

PSF16 is modular sixteen channel power supply dedicated for development and tests of boards with chips needing multiple voltage levels such as FPGA, DDR memories, ETHERNET controllers etc.

In each channel the PSF16 is able to deliver voltage levels in range from 0.25 to 5.5VDC. The voltages are programmable including bunch of other parameters as different warnings, limits, protections. All output voltages can be sequenced according to the design needs. This means the channel voltages will on and off by controlled way in dependency on master channel even in case of exceptional state of any output. Sequencing is performed by HW.

PSF16 contains also independent fast DAQ system reading/storing all voltages and currents to the text file or database.

PSF16 is only remote controlled via ETHERNET and special PC application.

PSF16 is placed in 19" sub rack 4U high..



PSF16 Specifications

Basic parameters		
Max number of channels	16	
Max output voltage	5.5	V
Min output voltage	0.25	V
Output currents (1-8 channels)	2	A
Output currents (9-16 channels)	4	A
Possibility to equip channel boosters	40	A
Configuration		
Customizable HW configuration of outputs		
Pre-programmed values of outputs		
HW programmed sequencing		
Power		
Power supply	100-230	VAC
Power line frequency	50/60	Hz
Mains connector	IEC C14	
General specifications		
Operating environment		
Operating temperature range	0 to 55	°C
Operating humidity	up to 80% R.H. at 40 °C	
Storage environment	-40°C to 70	°C
Subrack dimensions	127H x 426W x 420D	mm
Subrack weight	8	kg
Safety conforms to	IEC/EN 61010-1	
EMC conforms	EN 61326, CISPR 11	
Remote control		
LXI	10/100Base-T Ethernet (VXI-11 protocol)	
Fast DAQ		
UDP broadcast	Special data format	
Remote control SW		
Software for Windows PC	On/Off, data readout, fast data readout, database or text file data storage. PostgreSQL,sql, mysql	



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