



800 watt total power
24/48 volt output
24 PoE devices
CMD remote management
1 ms short circuit protection

Active Power Supply Unit

24 Ports Power Supply, 48V or 24V, with Active Protections

High Power

The Active Power Supply Unit can handle up to 800 Watt in 48 and 24 Volt output power configurations.

Redundancy and Load Balancing

Each couple of output power group is powered by a couple of 200 Watt AC/DC converter and/or a couple of 200 Watt DC/DC converter (solar panel). The output power group can share up to 200 Watt in Redundancy mode or 400 Watt in Load Balancing mode.

Load indicator

The power group load indicator led shows the load level (green: 50%, yellow: 75%, red: 100%).

Reset button

Press the reset button to force a power cycle, power and unpower an output power group.

Active Protection

The microprocessor controls each life parameters of the Power Supply Unit and protects against overvoltage, overload and short circuit. In alarm mode the output power group is disabled for 10 seconds and enabled again automatically.

Remote Control

Connect the Power Supply Unit to the Controller Unit in order remote state parameters, switch on and off the output power groups and monitor load and alarm state via web or SNMP.

Electrical Specifications

Output Voltage	57 or 24 Volts DC
Max Output Current	16.8 A @ 57V Load Sharing / 33.6A @ 24V Load Sharing
Efficiency	85 %
Input Voltage Range ACDC	85 ~ 264 VAC (47 ~ 63Hz) or 120 ~ 373VDC (Withstand 300VAC Surge for 5 seconds)
Input Voltage Range DCDC	18 ~ 36 VDC
Ripple & Noise	200 mV @ 57V / 120 mV @ 24V
Connector Max Output Current	2 A
Output Group Max Current	16.8 A
AC Power Entry	C14 with Fuseholder
Withstand Voltage	Input - Output : 3.0kVAC (20mA) Input - FG : 1.5kVAC (20mA) Output - FG : 500VAC (100mA) for 1min.
Isolation Resistance	More than 100MΩ (500VDC) at 25°C and 70%RH

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Protection Specifications

Active Protection	Short Circuit Protection (1ms reaction time)
Over Temperature Protection	YES
Over Voltage	62V @ 57V / 29V @ 24V
Under Voltage	43V @ 57
Over Load	15 A @ 57V Load Sharing / 30A @ 24V Load Sharing 7.5 A @ 57V Redundancy / 15A @ 24V Redundancy

Environmental

Operating Temperature	-40°C to +80°C
Humidity	0 - 95% non condensing
Cooling	Forced Air (Exhale)

Mechanical Specifications

Dimensions (LxWxD)	482.6 x 4.5 (1U) x 300 mm
Weight	4 Kg
Enclosure Material	Varnished Iron
Output Power Connector	2 connector Micro-Fit (3.0)
Reset Button	4

Led Indicators

Status	RGB Led multi message
Power Supply Load Indicator	green up to 50%, yellow up to 75%, red up to 100%, red blinking on Alarm (power off)
Power Group Load Indicator	green up to 50%, yellow up to 75%, red up to 100%, red blinking on Alarm (short circuit)

Compliance and Warranty

EMC	EN55022 Class B, EN61000-4
Rohs Compliant	Yes
Warranty	Standard: 2 years from date of purchase

TERMS OF USE: This device must be professionally installed. Shielded ethernet cable and earth grounding must be used as conditions of product warranty. All specifications in this document are subject to change without notice.

For further information please visit www.9dot.it.

Modular Input Voltage

Connect ACDC Modules, DCDC Modules or mix together to power the Active Power Supply Unit from different input power sources.

