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Industrial 48 VDC Power Supplies Ideal for Industrial Power over Ethernet (PoE) Systems

These SIXNET industrial power supplies are designed to meet or exceed the requirements of the industrial devices they power. They are ideal for any industrial application where consistent performance and long term reliability are a must.

Field Proven Performance:

- AC input up to 264 VAC at 50/60 Hz
- DC input up to 370 VDC
- 48 VDC output up to 120 Watts (2.5 Amps)
- Fully protected from short circuit, over-load, over-voltage and over-temperature conditions
- DIN rail mounting standard
- Wide operating temperature range
- Certified to perform see below

Several Models to Choose From:

- EB-PS-AC48-75 (75 Watts)
 - Output: 48 VDC @ 1.5 Amps (75 watts)
 - Universal AC input from 85 264 VAC
 - Compact size fits in small enclosures
 - Ideal to power up to 5 PoE devices
- EB-PS-AC48-120 (120 Watts)
 - Output: 48 VDC @ 2.5 Amps (120 Watts)
 - Selectable AC input up to 264 VAC
 - Compact size high power to size ratio
 - Ideal to power up to 8 PoE devices
- EB-PS-4824-13 (13 Watts)

Immunity & Safety

- Ultra-compact DC-DC converter
- Ideal for 48 VDC (PoE) systems requiring some 0 **24 VDC** (other voltages available as special order)
- Output: 24 VDC @ 540 mA (13 Watts) 0
- Input: 45-56 VDC (48 VDC nominal) 0
- Slim packaging fits on any DIN rail 0

Certified to Perform:



ISO9001

Quality





Locations

us **"SU**" US USA/Canada Safety

International

Safety

USA/Canada Emissions

European Safety

Lead and Hazardous Substance Free

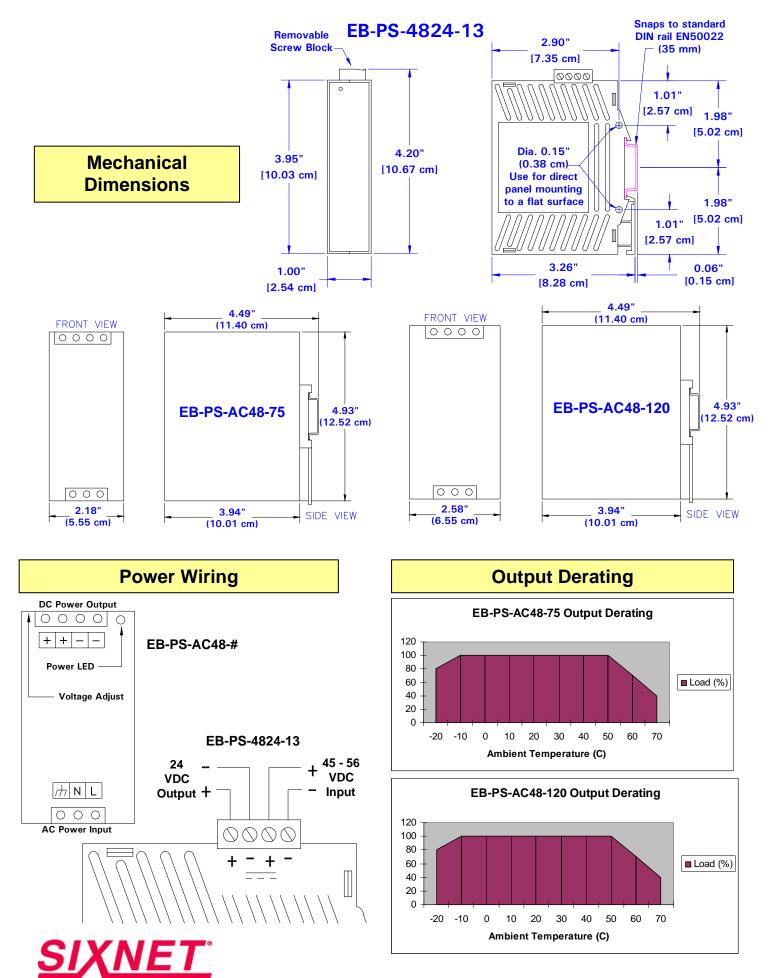


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Protection Ove Ove Ove Ope Environmental Ter	ver-load			
Protection Ove Ove Environmental			405 4500/	<3.5 mA @ 240 VAC
Ove Ope Environmental	ver-voltage	automatic recoverv	105 – 150%	rated output,
Ove Ope Environmental	ver-voltage		current limiting with automatic recovery	
Ope Ope Environmental Ter	Over-voltageTransient: 15Kw peak; Surge: 5K watts (10x10 uS)58 – 65 VDC Shut down o cycle power to recove		nut down output,	
Ope Ope Environmental Ter			cycle power to recover	
Environmental Opt	ver-temperature	140°C with auto. recovery	90°C, shut down output with automatic recovery	
Environmental Sto	peration temp.	-40 to + 75°C	-20 to +70°C (derate output 3% per °C above 50°C)	
Ter	peration humidity	5 to 95% RH (non-cond.)	20 to 90% RH non-condensing	
Ter	orage	-40 to + 85°C	-40 to + 85°C @ 10 to 95% RH	
	emp. coefficient	-	+/-0.03% per °C	
	bration, shock and	IEC68-2-6, -27 and -32	10 – 500 Hz; 2G 10 min per cycle;	
	efall		60m period each along X, Y, Z axes	
Saf	afety	UL508 / CSA C22 (CUL),	CUL (UL508 / CSA C22.2);	
		EN61010-1	TUV EN60950-1	
Haz	azardous locations	UL1604, CSA C22.2/213,	cUL1604 (CSA C22.2/213); Class I, Division 2 (Zone 2);	
14/1	:	Cenelec EN50021	Groups A, B, C, D	
vvit	ithstand voltage	Input to output:	Input to Output: 3KVAC; Input to GND: 1.5KVAC;	
Standards	plation resistance	1500 Vrms	Output to GND: 0.5KVAC 100M Ohms @ 500 VDC	
			EN55011, EN55022 (CISPR22)	
	VII emissions	emissions FCC part 15, ICES-003, EN55011, EN55022 (CIS EN55022 Class B		
	AC immunity	IEC61326-1	EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV5024; EN50024;	
	EMC immunity IEC61326-1		EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV5024; EN50024; EN50024; EN50024; EN61000-6-2 (50082-2); heavy industry level, criteria A	
На	armonic current	n/a	EN61000-3-2,	
	TBF	>1,000,000	123,000 hours per MIL-	137,000 hours per MIL-
		(estimated)	HDBK-217 @ 25°C	HDBK-217 @ 25°C
Pa	ackaging	Polycarbonate; IP30		
	ounting	DIN rail or flat to panel	Metal; IP20 DIN rail	
	JULITIC			
	<u> </u>	0.17 kg (0.25 lbs)	0.60 Kg (1.3 lbs)	0.79 Kg (1.7 lbs)
Din (ap	eight ms (w x h x d)	0.17 Kg (0.25 lbs) 25 x 101 x 76 mm	56 x 125 x 100 mm	66 x 125 x 100 mm

Specifications are subject to change. Consult factory for latest information.

Ordering Guide		
EB-PS-AC48-75	AC to 48 VDC power supply; 75 Watts (1.5 Amp)	
EB-PS-AC48-120	AC to 48 VDC power supply; 120 Watts (2.5 Amps)	
EB-PS-4824-13	48 VDC to 24 VDC power supply; 13 Watts (0.540 Amps) (Other voltages available as special order – Contact SIXNET)	





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A Complete Family of Etherbus[®] Solutions

Etherbus[®] Industrial Ethernet PoE Switch

The EB-5ES-PSE combines the ultra-reliability of a five port EtherTRAK Real-time Switch with four industrial PoE sourcing outputs. Simply power this switch with 48 VDC to source the PoE lines. The four PoE ports automatically sense and support both PoE and non-PoE (traditional) Ethernet devices. Or power this switch with10-30 VDC and it functions as a robust industrial switch that is PoE future-ready. **Check out the separate datasheet for more details.**

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Etherbus[®] Industrial Power Injectors

These space saving industrial PoE injectors convert any standard Ethernet cable into a PoE (Etherbus) channel. Now you do not have to run a separate power cable to your remote devices. The one cable supplies both power and data to your PoE-enabled, non-PoE or even non-Ethernet devices (see the PoE splitter below). The EB-PSE-48V-2 model runs on 48 VDC and can source two PoE channels. The EB-PSE-24V-1 model runs directly on your 24 VDC (no extra supply needed) and can source one PoE channel. Stack these slim units on your DIN rail to create multiple PoE sourcing cables. **Check out the separate datasheet for more details.**

Etherbus[®] Industrial Power Splitters

These space saving industrial PoE splitters give you all the benefits of Power over Ethernet (PoE) without needing to upgrade your existing non-PoE Ethernet devices. These splitters generate isolated 24 VDC power for your non-PoE or even non-Ethernet devices. Think of this splitter as an industrial 24 VDC power supply that is powered by your incoming PoE (Etherbus) cable. The Ethernet output can be connected to any traditional (non-PoE) Ethernet device.

Check out the separate datasheet for more details.

Etherbus[®] Industrial Ethernet Cabling

The trademarked Etherbus® cable is the toughest Ethernet cable in the world. Ensure the reliability of your industrial Ethernet systems (indoors or outdoors) with this ultra-rugged Kevlarreinforced Etherbus cable. This Cat 5E cable is double shielded for best noise immunity and has excellent temperature, UV, hydrolysis and microbial resistance. You can install it anywhere with confidence that it will keep working for the long haul. **Check out the separate datasheet for more details.**





Etherbus[®] Industrial Ethernet Connectors

Etherbus features the Amphenol RJField reverse-bayonet quick latching (1/4 turn) connector system. These IP67 rated connectors and plugs are water and corrosion proof. The bulk-head connector allows you to interface between standard Ethernet wiring inside a cabinet to industrial cabling outside. The mating plugs can be easily field installed around an existing Ethernet cable without the need for tools. **Check out the separate datasheet for more details.**

Request Your FREE Product CD at http://www.etherbus.com



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