

RELIABLE. HARDENED. GIGABIT SPEED.

MEET SOLIS ENERGY'S INDUSTRIAL PoE INJECTOR HPI SERIES



The HPI series are hardened, industrial-grade PoE injectors designed to reliably connect PoE devices in harsh environments. The HPI-1112 features an 802.3af/at Gigabit PoE output while the HPI-2148 provides 802.3bt via a Gigabit PoE++ port.

HARDENED PoE INJECTOR



FEATURES

- Wide Temperature Range (-40°C to 65°C)
- Fanless Industrial Design
- Redundant Power Inputs
- 95W of PoE Power
- DIN-Rail Mounting
- Sturdy Metal Case for Superior Durability



APPLICATIONS

- Surveillance Camera
- Telecommunications Equipment
- Traffic Systems
- Industrial IoT
- Wi-Fi Access Points
- Radar & Lidar



POWER WHEN YOU NEED IT.

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Rev 24.3

HPI SERIES



	HPI-1112	HPI-2148	
TECHNOLOGY	Ethernet Standards	IEEE 802.3af PoE IEEE 802.3at PoE+ IEEE 802.3 10BaseT IEEE 802.3u 100BaseT (X) IEEE 802.3ab 1000BaseT (X)	IEEE 802.3af PoE IEEE 802.3bt PoE++ IEEE 802.3 10BaseT IEEE 802.3u 100BaseT (X) IEEE 802.3ab 1000BaseT (X)
	EMI Standards	FCC Part 15, CISPR (EN55022) Class B	
	Manufacturing Standards	RoHS & WEEE Compliant	
PoE SPECIFICATIONS	PoE Modes	IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+)	IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3bt PoE (PoE++)
	Number of PoE+ Ports	1	
	Maximum Power	30W (IEEE 802.3at)	95W (IEEE 802.3bt)
	PoE Pinout	Pins 4, 5: V+; Pins 7, 8: V- (Mid-Span)	Pins 3, 4, 5, 6: V+; Pins 1, 2, 7, 8: V- (Mid-Span)
	PoE Format	Mode B	
	POWER SPECIFICATIONS	Connection	1 removable 6-contact terminal block
Input Voltage		10 - 54VDC, Redundant Dual Inputs	48VDC (44 - 57VDC), Redundant Dual Inputs
No-Load Consumption		3W @ 12VDC	4W
Power Budget		33W @ 12VDC	95W
Redundant Dual Inputs		Present	
Over-Current Protection		Present	
NETWORK SIGNAL PROTECTION	Protected Lines	1, 2, 3, 4, 5, 6, 7, 8	
	L-G Surge Protection	6kV	
	Clamp Voltage	(1,2; 3,6; 4,5; 7,8): 7.5 VDC	
PoE OUTPUT PROTECTION	L-G Surge Protection	6kV	
	Power Clamp Voltage	(4,5; 7,8): 60 VDC	
PHYSICAL SPECIFICATIONS	Dimensions (W x H x D)	1.39 x 5.65 x 3.74 in (Including DIN Mount)	
	Weight	450g	
	Installation	DIN-Rail Mount	
	Operating Temperature	-40°C to 65°C	
	Storage Temperature	-40°C to 75°C	
	Ambient Relative Humidity	5 to 90% (Non-Condensing)	

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