
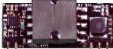





Series	Part Number	Output Voltage Max. Power*	Benefits	External components
<b>Highly efficient, 1500V Isolated POE PD Module</b>				
<b>IEEE802.3af (13W)</b>				
<b>PEM1200AF</b> <b>PEM 1300AF</b> 	PEM12/1303AF/D	3.3V, 12.95W	PEM12xxAF series do not have on-board bridge rectifier PEM13xxAF series feature on-board bridge rectifier Low-Cost IEEE802.3af PD Module Dim: 52mm x 14mm, SIL Programmable IEEE power class 0,1,2,3 support <b>Optional AFD model with in-built frequency dithering for improved EMI.</b>	12xxAF: Input TVS surge suppressor and bridge rectifiers. Output filter capacitor.
	PEM12 /1305AF/D	5V, 12.95W		
	PEM12/1312AF/D	12V, 12.95W		
	PEM12/1324AF/D	24V, 12.95W		13xxAF: Input TVS surge suppressor. Output filter capacitor.
<b>PEM1400</b> 	PEM1403 PEM1405 PEM1412	3.3V, 12.95W 5V, 12.95W 12V, 12.95W	<b>World's smallest full power 802.3af PD module.</b> Dim: 35mm x 14mm, SIL Motherboard footprint of 399 mm <sup>2</sup> (0.62 sq. inches) 12.95W from all 3 voltage variants. Built-in frequency dithering for improved EMI Class 0 IEEE802.3af classification	Input surge suppressor and bridge rectifiers Output filter capacitor (inductor on the module)
<b>PEM500-LP</b> 	PEM1505-LP PEM1512-LP	5V, 10W 12V, 12.95W	Self-contained IEEE802.3af PD Module, low profile Dim: 42mm x 42mm x 11mm, screw mount, most suited for IP camera IEEE802.3af Class programmable Wired input and output connectivity	Input surge suppressor
<b>PEM1600</b> 	PEM1603N/R PEM1605N/R PEM1612N/R PEM1619N/R PEM1624N/R	3.3V, 12.95W 5V, 12.95W 12V, 12.95W 19V, 12.95W 24V, 12.95W	Low-Cost IEEE802.3af PD Module Dim: 52mm x 14mm, SIL On-board surge suppressor Built-in frequency dithering for improved EMI. Dedicated pin for additional EMI filtration. Output inductor optional at customer choice	N: Input TVS surge suppressor and bridge rectifiers. Output filter capacitor.  R: Input TVS surge suppressor. Output filter capacitor.
<b>IEEE802.3at, 30W</b>				
<b>PEM3200</b> 	PEM3212 PEM3219 PEM3224	12V, 30W 19V, 30W 24V, 30W	Low cost, small size IEEE802.3at PD module, POE Class 4 Dim: 62mm x 14mm, SIL 802.3.at detect pin for Layer 2 support Frequency dithering, Frequency Adjust Dedicated pin for Auxiliary Power, Remote Shut down, EMI filtration.	Input surge suppressor and bridge rectifiers Output filter capacitor (inductor on the module)

Series	Part Number	Output Voltage Max. Power*	Benefits	External components
<b>IEEE802.3bt, 60W</b>				
<b>PEM6300**</b> (In development) 	PEM6312	12V, 60W	Small Size IEEE802.3bt PD module. 14mm height. SIL package. PSE Type 3 PD Class 6 High efficiency > 90% Frequency dithering for improved EMI Auto-class support, low power MPS (Maintain Power Signature), Wall Adapter, Power Class and PSE reporting, Power Demotion, Phihong injector support	Input TVS surge suppressor and bridge rectifiers. Output filter capacitor(s). Optional input and EMI filtering capacitors.
	PEM6320	20V, 60W		
	PEM6324	24V, 60W		
<b>IEEE802.3bt, 90W</b>				
<b>PEM9300</b> 	PEM9312	12V, 90W	Smallest 90W module in the market. 70mm x 29mm x14mm height. DIL package. IEEE802.3bt PD module POE Type 4 Class 8 High efficiency > 93% Frequency dithering for improved EMI Auto-class support, low power MPS (Maintain Power Signature), Wall Adapter, Power Class and PSE reporting, Power Demotion, Phihong injector support	Input TVS surge suppressor and bridge rectifiers. Output filter capacitor(s). Optional input and EMI filtering capacitors.
	PEM9320	20V, 90W		
	PEM9324	24V, 90W		
<b>All-in-one complete plug and play POE PD board, including Data Transformer. No external components required</b>				
<b>PEB9300BT</b> 	PEB9312BT	12V, 90W	IEEE802.3bt Type 4 Class 8 POE PD all-in-one-board. Fully "Plug and Play". No external components required. Gigabit Ethernet support, pass through data. Auto-class function support In-built auxiliary wall adapter support Alternate signature for Phihong injectors Frequency dithering for improved EMI High Efficiency, end to end >93%	No external components
	PEB9320BT	20V, 90W		
	PEB9324BT	24V, 90W		
<b>POE Splitter Device</b>				
<b>PES40</b> 	PES4012GPC0	12V, 27W	Standalone POE PD Splitter IEEE802.3af Class 4, with exception of higher current input FCC Class B Part 15 and EN55022 (CISPR 22) Class B ESD: EN61000-4-2, RS: EN61000-4-3, CS: EN61000-4-6 10/100/1000 (Gigabit) Ethernet support Dim: 94mm x 73mm x 31mm; Weight:144 g (0.317 lb, 5.01 oz) Rugged polycarbonate enclosure Instantly POE enable the non-POE devices MOQ 2500 applies	No external components
	PES4015GPC0	15V, 27W		
	PES4018GPC0	18V, 27W		
	PES4021GPC0	21V, 27W		
	PES4024GPC0	24V, 27W		

\* IEEE802.3af devices Maximum Power at Nominal Voltage. For IEEE802.3at and 802.3bt Maximum power at maximum input voltage

\*\* Under development