

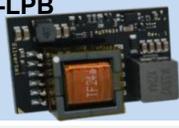
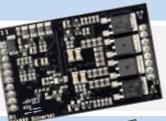
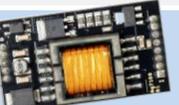
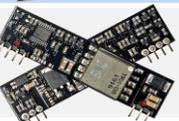
	Product Family	Part No.	Nominal Output Voltage	Output Power	Class	External Components Required	Benefits
LOW POWER (POE) PD MODULES	Worlds Smallest Isolated POE Powered Device (PD) Modules	 <p>Ag9900-LPB</p>	<p>Ag9912-LPB 12V</p> <p>Ag9905-LPB 5V</p> <p>Ag9903-LPB 3.3V</p>	<p>10W</p> <p>7W</p> <p>4.9W</p>	0	Two Bridge Rectifiers Low Cost Smoothing capacitor	Smallest SMT PD solution. Same pin-out as Ag9900-M/MT but low profile SMT package - Available in Tape & Reel order Ag99XX-LPB-400R. Industrial Temperature Range Over Temperature Protection as standard SMT package size - 21.7mm (L) x 14.4mm (W) x 8.2mm (H - Seated Height); Auto-placeable
		 <p>Ag9900-MTB</p>	<p>Ag9924-MTB 24V</p> <p>Ag9912-MTB 12V</p> <p>Ag9905-MTB 5V</p> <p>Ag9903-MTB 3.3V</p>	<p>12W</p> <p>12W</p> <p>9W</p> <p>6W</p>	0	Two Bridge Rectifiers Low Cost Smoothing capacitor	Small SMT PD solution. Same pin-out as Ag9900-M/MT but SMT package - Available in Tape & Reel order Ag99XX-MTB-250R. Industrial Temperature Range Over Temperature Protection as standard SMT package size - 21.7mm (L) x 14.4mm (W) x 13.4mm (H - Seated Height); Auto-placeable
		 <p>Ag9700</p>	Ag9703	3.3V	6W	0 - Ag9700-S 0 - Ag9700-2BR 0-3 Ag9700-FL	-S : 2 bridge rectifiers & low cost smoothing capacitor -2BR : Low cost smoothing cap (Bridge Rectifiers on-board) -FL : Low cost smoothing cap (Bridge Rectifiers on-board)
	Isolated Powered Device (PD) Modules	 <p>Ag97000-FL</p>	<p>Ag97024-FL 24V</p> <p>Ag97012-FL 12V</p> <p>Ag97005-FL 5V</p>	<p>12W</p> <p>12W</p> <p>9W</p>	0-3	Low cost smoothing capacitor.	Low Input Voltage, S/C & Over-Temperature Protection Industrial Temperature Range Very Low Noise & Ripple Output Programmable Classification Pin compatible & suggested replacement for Ag9700-2BR & -FL SIL package - 56mm (L) x 12.5mm (W) x 14mm (H)
		 <p>Ag9200</p>	Ag9205	5V	13W	0-3	Two bridge rectifiers & Low cost smoothing capacitor
	HIGH POWER (POE+) PD MODULES	Worlds Smallest Isolated POE+ Powered Device (PD) Modules	 <p>Ag53000</p>	<p>Ag53024 24V</p> <p>Ag53012 12V</p>	30W	4	Two low cost bridge rectifiers One low cost smoothing capacitor
 <p>Ag5400</p>			<p>Ag5424 24V</p> <p>Ag5412 12V</p> <p>Ag5405 5V</p>	<p>30W</p> <p>(5V variant max.25.5W)</p>	4	Two low cost bridge rectifiers One low cost smoothing capacitor	Pin-for-pin Compatible with Ag53XX High Efficiency (>93%) - reduction in wasted power Compliant to IEEE802.3at (IEEE802.3af defaults to class 0) Industrial Temperature Range SIL package - 57mm (L) x 14mm (H) x 18mm (W)
 <p>Ag5700-LPB</p>			<p>Ag5724-LPB 24V</p> <p>Ag5712-LPB 12V</p>	30W	4	Two low cost bridge rectifiers One low cost smoothing capacitor	Smallest POE+ PD Solution 24W Continuous Power, 30W Peak Power Industrial Temperature Range Compliant to IEEE802.3at SMT package - 33mm (L) x 22mm (W) x 13mm (H) - 7.3cm ² Area

Silvertel also designs & manufactures a range of power modules for Battery Charge Control and Analogue Telecom Interfaces. All Silvertel's modules are cost optimised and manufactured in the UK ensuring the highest quality at competitive pricing. Visit our website at www.silvertel.com

Version 6.5 August 2025

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Page 1 of 2

	Product Family	Part No.	Nominal Output Voltage	Max Output Power	Class	External Components Required	Benefits	
HIGHER POWER (POE++) PD MODULES	Isolated High Efficiency 100W PD Module IEEE802.3bt	Ag59800-LPB 	Ag59812-LPB Ag59824-LPB	12V 24V	89W	8	Two low cost bridge rectifiers Two low cost smoothing capacitors	89W Max, 72W min.; Fixed Class 8 PD. High Efficiency 95% (@12V Output); 93.8% (@24V Output) Short Circuit and Over temperature protection DIL package - 70mm (L) x 35mm (W) x 19.2mm (H)
	Isolated 60W PD IEEE802.3bt	Ag5810 	Ag5810	12V or 24V	60W	7	Two low cost bridge rectifiers Two low cost smoothing capacitors	60W Max.; Fixed Type 4 Class 7 PD DIL package - 70mm (L) x 30mm (W) x 15.6mm (H)
	Isolated High Efficiency 51W PD Module IEEE802.3bt	Ag59600 	Ag59612-LPB Ag59624-LPB	12V 24V	60W	6	Two low cost bridge rectifiers. Two low cost smoothing capacitors	60W Peak Power, 51W Continuous Power; Fixed Type 4 PD; >93.5% Efficient. Industrial Temp. Range SMT package - 40mm (L) x 25mm (W) x 16.5mm (H)
PSE MODULES	PSE Module 30W & 60W IEEE802.3af & .at	Ag6120 	Ag6120	48V/57V	39/74W	0-4	No external components required. Recommended Fused input. Pin compatible with Ag6100 / 6110.	Compliant to IEEE802.3af & .at standards Programmable Power Output Industrial temperature range. SIL package - 53mm (L) x 14mm (H) x 8mm (D)
	PSE Module 30W & 60W IEEE802.3af & .at	Ag6130 	Ag6130	48V/57V	39/74W	0-4	Three external components required, in-line fuse, low cost input capacitor and transzorb. Functionally compatible with Ag6120	Compliant to IEEE802.3af & .at standards Programmable Power Output. Port "Turn off" feature. Industrial temperature range. SMT package - 21mm (L) x 14mm (W) x 5mm (H)
	PSE Module 99W IEEE802.3bt	Ag6800 	Ag6800	57V	99W	0-8	Recommended Fused input.	Compliant to IEEE802.3bt. Programmable power output. Over Voltage and Over current Protection. DIL package - 51mm (L) x 35mm (W) x 7mm (H)
	PSE Module 99W IEEE802.3bt	Ag6810 	Ag6810	57V	99W	0-8	Recommended Fused input.	Compliant to IEEE802.3bt. Programmable Power Output. Port "Turn-off" feature. Dual Port Powering upto IEEE802.3at power levels. SMT package - 27mm (L) x 17mm (W) x 5mm (H)
DC-DC CONVERTER MODULES	PoL/Buck Converter 8V-24V Input; 3V-12.7V Output, 10A, Non-isolated	Ag7010 	Ag7010	3V to 12V	120W	N/A	Two low cost capacitors; one Electrolytic, one Ceramic. Three chip resistors; one for Output Voltage, two for I ² C programming.	SMT flush-mount providing good thermal, electrical and mechanical connection High current delivery (10A @ 12V) High efficiency converter >97% - low running temperature SMT package - 38mm (L) x 15mm (W) x 7.2mm (H) Machine placeable
	Boost Converter 11V-27V Input; 48V-57V Output	Ag7100 	Ag7100	48V to 57V	40W	N/A	One input plus one output low cost smoothing capacitor. Optional output voltage programming resistor (57V Nominal) .	Provides up to 40W of power at 48V to 57V for IEEE compliant PSE applications. Wide input range of 11V - 27V DC. IEEE compliant 1.5kV DC impulse isolation input to output. DIL package - 51mm (L) x 30mm (W) x 16mm (H)
	Boost Converter 5V-15V Input; 36V-57V Output	Ag7200 	Ag7200	36V to 57V	20W	N/A	One input plus one output low cost smoothing capacitor. Optional output voltage programming resistor (48V Nominal).	Provides up to 20W of power at 36V to 57V for IEEE compliant PSE applications. Wide input range 5V-15V with Short-circuit and Thermal protection. IEEE compliant 1.5kV DC impulse isolation input to output. SIL package - 56mm (L) x 18mm (W) x 14mm (H)
	Boost Converter 18V-36V Input; 48V-57V Output	Ag7300 	Ag7300	48V to 57V	120W	N/A	One input plus one output low cost smoothing capacitor. Optional output voltage programming resistor (48V Nominal).	Provides up to 120W of power at 48V to 57V for IEEE compliant PSE applications. Wide input range 18V - 36V with Short-circuit and Thermal protection. IEEE compliant 1.5kV DC impulse isolation input to output. SMT package - 40mm (L) x 35mm (W) x 17mm (H)

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Page 2 of 2