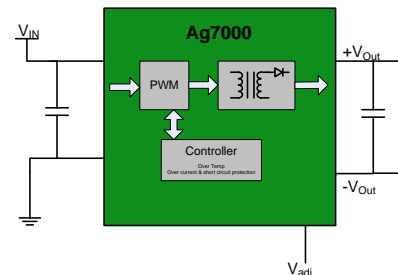


Ag7000 Series

V1.0
January 2019

Isolated DC-DC Boost Converters

- Wide input supply
- Adjustable output voltage
- Small footprint
- 1.5kV isolation
- Over current, thermal & short circuit protection
- High efficiency
- Low noise and output ripple
- Simple integration



Silvertel have developed a series of DC-DC boost converters, including isolation to meet the requirements of IEEE802.3af and IEEE802.3at. Each perfectly complement the Ag6100 in PSE designs. The modules are designed with a wide range input, to generate an isolated and regulated 48V-57V DC output. These modules provide an ideal compact solution for generating the higher voltages needed for IEEE802.3af (PoE) and IEEE 802.3at (PoE+) PSE designs in POE applications. Their small footprints and low cost modular design, with minimal external components required, mean they are well suited to any 5, 12 or 24V to 48V boost circuit application. See website for the product datasheet for this module and distributor information.

Part Number	Module type	Input Voltage	Output Voltage	Power out (max)	Module Size
Ag7100	Dual In Line	11V-27V DC	48-57V DC	40W	51mm(L)x30mm(W)x16mm(H)
Ag7200	Single In Line	5V-15V DC	36V-57V DC	20W	56mm(L)x18mm(W)x14mm(H)

Power & Telecom Module Solutions

www.silvertel.com



Note: The device specifications are based on preliminary data and are subject to change. Contact Silvertel Sales for up-to-date information.