

Verkada ACC-POE-60W High Surge (HS) POE++ Injector

The ACC-POE-60W high surge PoE++ injector converts two inputs – a power cable and an Ethernet cable – to a single PoE ++ port (IEEE 802.3bt/at/af standard) with up to 60W of power and 6kV 100kHz Transient Ring Wave. The ACC-POE-60W is designed to power the AC12 one-door controller, but it is also backwards compatible and safe to use with any IEEE 802.3at/af Verkada devices. The ACC-POE-60W comes with a US power cord (for US customers) and a UK power cord (for Europe customers) and is wall mountable.



Key features

- IEEE 802.3bt compliant (type 4, class 6 - 60W maximum)
- IEEE 802.3at/af backward compatible
- Output power of 60W over 4-pairs
- Supports 10/100/1000 Base-T applications
- Safe: low-power devices receive only the power they need
- Automatic detection and protection of non-standard Ethernet terminals

Tech specs

Electrical specifications – input

AC input operating voltage	100VAC to 240VAC	AC input frequency	47Hz to 63Hz
AC input current	1.5Arms maximum at 90VAC and maximum load		

Electrical specifications – output

Output	+56VDC (nominal) +1/-3V (57-53VDC)	DC output current maximum load	535mA for IEEE802.3bt
Turn on delay time	7 sec Max @ Min. load including detection @ 120VAC 60 Hz	DC output current maximum load	1.07A for IEEE802.3bt type 4, class 6 (PoE++)
Pricing	US cost (MSRP) ^{USD} \$179 WW cost (MSRP) ^{USD} \$179	Efficiency	DOE Standard level VI, Average Efficiency

1. Includes line, load regulation and temperature and voltage measured within 5cm of the output RJ45 connector.



Tech specs

Mechanical and general

Dimensions	Length: 4.07in / 103.4mm Width: 1.65in / 42mm Height: 1.12in / 28.7mm	Weight	0.59lb / 270g
AC inlet	IEC320 C14	Output connector	Female RJ45

LED states indicators

Solid green	Detection/Connection Valid & Output "ON"	Blink red (short, slow)	Waiting for valid Connection/Detection
Blink red (long, fast)	Fault Condition (Over Current or Shorted)	Blink red and green	Detection is Invalid

Safety requirements

UL	UL62368-1 ed3	CB	IEC 62368-1:2020+A11:2020
CUL	CAN/CSA C22.2 No.62368-1:19	CE	EN 62368-1:2020+A11:2020

Environment

Vibration	Frequency range: 10~55Hz Amplitude 2G over entire frequency range. Sweep 1 minute for X, Y, Z axis, each cycle: 20	Operating temperature	-4°F - 104°F / -20°C - 40°C
EMC	IEC61000-4-2, 3, 4, 5, 6, 11, IEC61000-3-2 UL294 Eighth Edition (6kV 100kHz Transient Ring Wave) - for PoE only	Relative humidity	Operation 10% to 90% Storage 5% to 95%
MTBF	For 25°C Ambient Temperature Operation MTBF>100K hrs @ max Load MIL-HDBK-217F	EMI	EN55032, EN55035,FCC Part 15, ICES-003, AS/NZS CISPR 32,Class B