

Outline Specification

The APC-H051 & H031 series power modules are cost effective board mountable DC/DC converters, which operate over an input voltage range of 36Vdc to 75Vdc and provide precisely regulated single DC output.

The output is fully isolated from the input, allowing versatile polarity configurations and grounding connections. The converters have a maximum power rating of 50 watts at a typical full-load efficiency of 89%.

The power modules are suited for board level applications in a distributed power architecture requiring isolated

Options:

- Choice of remote on/off logic configuration
- Short pin: 2.79mm \pm 0.25mm (0.11 in \pm 0.01 in)

FEATURES

- ❑ Industry standard half brick size 61.0mm x 57.9mm x 12.7mm (2.4in x 2.28in x 0.5in) with standoffs
- ❑ Efficiency: 88% typical
- ❑ Fixed frequency
- ❑ Wide input voltage range: 36Vdc to 75Vdc
- ❑ Adjustable output voltage: 70% to 110% of $V_{O, nom}$
- ❑ Low Output Noise
- ❑ Metal Case
- ❑ Operating case temperature range: -40°C to 110°C
- ❑ Remote on/off & Remote Sense
- ❑ Output overvoltage clamp
- ❑ Overcurrent protection
- ❑ Case Ground Pin
- ❑ Designed to meet UL60950, EN60950 and CE mark requirement



APC-H051 & APC-H031 Single Output DC-DC Converter 48V(36V to 75V) Input, 3.3V, 5V, 12V & 15V Output, 50W max.

Range Guide

Model Number	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Efficiency (%)
APC-H051-048-150	48	15.0	3.33	89
APC-H051-048-120	48	12.0	4.17	88
APC-H051-048-050	48	5.0	10	87
APC-H051-048-033	48	3.3	10	80
APC-H031-048-033	48	3.3	8	87

Please contact APC for other non-standard & special output voltages

Mechanical Outline

