

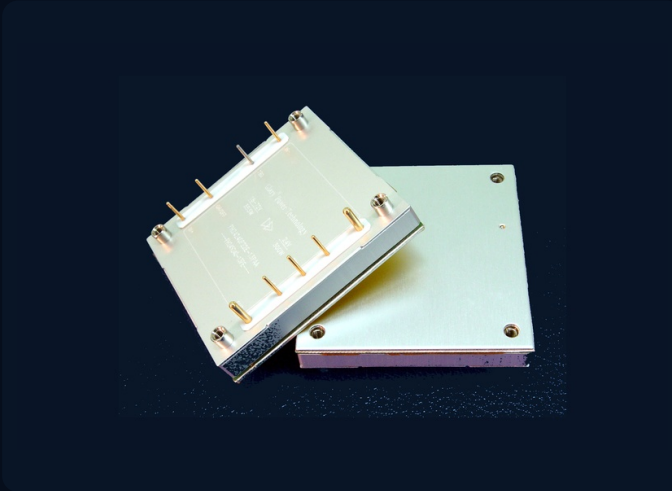
# IAH1H SERIES

## High Voltage Half Brick DC/DC Converter

346W / 13A · 65–160V Input · 0.38" Ultra-Low Profile

>90% Efficiency · Full Metal Enclosed Package

- OCP
- OVP
- OTP
- Remote ON/OFF
- Voltage Trim ±10%
- Remote Sense
- CE
- RoHS
- 2.23M hrs MTBF



<b>346W</b> MAX OUTPUT	<b>13A</b> MAX CURRENT	<b>&gt;90%</b> PEAK EFF.	<b>0.38"</b> ULTRA-LOW	<b>2.23M hrs</b> MTBF	<b>360 kHz</b> SWITCHING
---------------------------	---------------------------	-----------------------------	---------------------------	--------------------------	-----------------------------

### PRODUCT OVERVIEW

The IAH1H Series provides up to 346W / 13A output in the industry-standard half brick format, featuring an ultra-low 0.38" total module height — the lowest profile in its class. The full metal enclosed package delivers superior EMI shielding, moisture resistance, and thermal performance.

Designed for 65–160V high voltage DC bus applications including railway, industrial control, and defense systems. Both positive and negative remote ON/OFF logic options are available.

### PACKAGE OPTIONS

**Code: E — Full Metal Enclosed Package | 1.0mm Metal Plate | 119g | 0.38" Total Height**

Six-sided metal enclosure — moisture & vibration resistant

### TARGET APPLICATIONS

- Railway Systems
- Industrial Control
- Defense Systems
- Energy Infrastructure
- Motor Drives
- Substation Control

### PART NUMBER SYSTEM

<b>IAH</b> Series	<b>1H</b> Input	<b>240</b> Output	<b>P</b> Enable	<b>2</b> Pin	<b>0</b> Stdoff	<b>E</b> Plate	<b>-</b>	<b>06</b> Current	<b>XX</b> Suffix	<b>0</b> Ver.
----------------------	--------------------	----------------------	--------------------	-----------------	--------------------	-------------------	----------	----------------------	---------------------	------------------

Input: 1H = 65–160V DC

Output: 120=12V 240=24V 480=48V (0.1V increments)

Enable: P=Positive Logic | N=Negative Logic

Base-Plate: E = Metallic enclosure / 0.36"