

HV Series | 2kW High Voltage Full Brick DC/DC Modules

Description

The HV Series full brick DC/DC module adopts advanced circuit technology and process structure to achieve ultra-high power conversion efficiency. This module product utilizes fixed-frequency control, input-output isolation, and supports on-board soldering. The Series product is enclosed in a fully sealed package, ensuring its normal operation under harsh conditions. This Series product is suitable for industrial, automotive, and specialized applications, among others.



Features

- Full brick package size
- Max. efficiency: 95%
- Max. output power up to 2000W
- Wide input voltage range: 380Vdc~850Vdc
- Output overcurrent/overvoltage/short circuit
- Input overvoltage and undervoltage
- Support multiple parallel

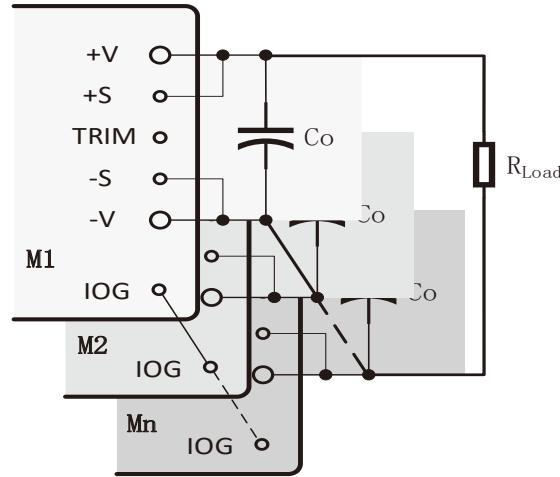
Specifications

Items	Specifications	Note
Input Voltage	380-850V	
Output Voltage	28V/36V/48V	Programmable
Output Voltage Accuracy	±1% Vout (Nominal)	
Line Regulation	±0.2% Vout (Nominal)	Low to High Input Voltage
Load Regulation	±0.2% Vout (Nominal)	No-load to full-load
Temperature Coefficient	0.02% Vout/°C	Substrate temperature: -40~100°C
Overvoltage Shutdown Setpoint	115% Vout (Nominal)	
Efficiency	95%	
Voltage Adjustment Range	+/-10% Vout (Nominal)	
Isolation Voltage	3,000 Vrms, input to output	
Dimensions	118.5×63×13mm	Up to 2000W

* Unless specified, data is based on nominal input voltage, full load, and 25°C

Applications

PR



On/Off

Control Mode: off state, High; on state, pin open or low

On/off control	Signal switch control mode
<p>(3.5V~18V)</p>	<p>(3.5V~18V)</p>
Remote control reference circuits, isolation control	