

DC/DC Converters to Support Vehicle Based Equipment

Wall Industries is a global technology enterprise founded in 1960. Our broad standard product line encompasses 1 to 3000 watts. Our hallmark is our ability to modify standard power devices and deliver high-performing, custom power solutions in the quantities you require. We offer complete design and engineering services, short turn-around times and a genuine eagerness to help your projects succeed.

Our standard products LV, FA, and HP Series are rated for 150 to 600 watts output power. The 10-36VDC input voltage range makes them ideal for vehicle mount applications – enabling the end product to operate off assorted battery sources. This, coupled with high operating efficiency to 93%, encapsulated and shielded packaging for conductive cooling, input low voltage protection, and high power density makes the product perfect for mobile applications.

These products have already successfully been implemented in the following applications: field communication radios, graphic displays, cameras, remote weapons stations, power amplifiers, jammers, and ruggedized computers.

Our capabilities include the following mil standards:

Mil-Std-1275	Military Vehicle Standards
Mil-Std-461	Electro Magnetic Emissions Requirements
Mil-Std-217	MTBF Standards
Mil-Std-810	Environmental Testing
Mil-Std-202	Standardized Test Methods

-55°C to +125° C operating temps available upon request

Wall Industries also offers an array of screening options to meet both the needs set forth by Military Standards, and individual customer requirements.

Additional Capabilities

- 3D Mechanical Modeling based on COTS units
- Pre-Compliance Testing
- Analog design for input and output circuits

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WALL[®]

Wall Industries, Inc.

Existing Vehicle Mount Products

DCHBW Series



Input Voltage Ranges: 8.5 - 36, 16.5 - 75, 43 - 160 VDC
Output Voltages: 3.3, 5, 12, 15, 24, 28, 48 VDC
Output Power: up to 200 Watts
Operating Case Temperature: -40°C to +115°C
Dimensions (LxWxH): 2.4 x 2.28 x 0.50 inches
 Remote Sense
 Remote On/Off
 Input Under Voltage Protection
 High Efficiency up to 91%

LV Series



Input Voltage Range: 9 - 36 VDC
Output Voltages: 5, 8, 12, 15, 18, 20, 24, 26, 28 VDC
Output Power: up to 150 Watts
Operating Case Temperature: -40°C to +100°C
Dimensions (LxWxH): 2.4 x 2.28 x 0.50 inches
 Remote Sense
 Remote On/Off
 Input Under Voltage Protection
 Will Sustain 50VDC Surge for 100 ms

FA Series



Input Voltage Range: 10 - 36 VDC
Output Voltages: 5, 12, 15, 20, 24, 26, 28, 48 VDC
Output Power: up to 300 Watts
Operating Case Temperature: -40°C to +100°C
Dimensions (LxWxH): 4.6 x 2.4 x 0.50 inches
 Remote Sense
 Remote On/Off
 Input Under Voltage Protection
 Will Sustain 50VDC Surge for 100 ms

HP Series



Input Voltage Range: : 10 - 36 VDC
Output Voltages: 5, 12, 15, 20, 24, 26, 28, 48 VDC
Output Power: 600 Watts
Operating Case Temperature: -40°C to +100°C
Dimensions (LxWxH): 6.00 x 3.00 x 0.69 inches
 Remote Sense
 Remote On/Off
 Input Under Voltage Protection
 Will Sustain 50VDC Surge for 100 ms

DC/DC Converters

Wall offers one of the most comprehensive product offerings in the converter industry, with power ranging from 1 watt to 600 watts. We offer standard products: high-density designs, complete brick family: 1/8, 1/4, 1/2, and full brick. Features include 2:1 and 4:1 input ranges, high efficiencies up to 93%, with single and multiple outputs. Additional options include remote on/off, continuous short circuit protection, remote sense, external trim, and synch options.

Custom Modifications are our Specialty!
Call us for more Information!
888-597-9255



Additional Product Series

DC/DC Converters

- Encapsulated
- PC Board Mount
- Surface Mount
- Chassis Mount
- Through Hole

AC/DC Power Supplies

- Open Frame
- Air Ventilated Enclosed
- U-Frame
- Encapsulated
- DIN Rail
- DIN Rail
- Enclosed with Fan
- Wall Plug-in
- Desktop

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