



Green Watt Power

Division of Calnex Mfg. Co. Inc.

ELECTRIC VEHICLE CHARGERS

DC/DC CONVERTERS

LED POWER SUPPLIES



On-Board Electric Vehicle Chargers 240W - 1200W

Green Watt Power (GWP) offers a variety of universal AC input on-board chargers for Lithium Ion, Lithium Iron Magnesium Phosphate, Lead Acid and for other batteries powering a variety EV applications including motorcycles, ATVs, scooters, material handling, marine and other applications. These units offer excellent performance with very high efficiency, CAN communication, and compact packaging designed to withstand shock, vibration, moisture, salt, and other harsh environmental conditions. All models are RoHS compliant and backed by GWP's Five Year Warranty.

The models below are representative of GWP design capability. Modifications and custom solutions are available to meet application specific requirements. Simply go to the GWP website and fill out the EV Specification Worksheet (<http://www.greenwattpower.com/pdf/evchargerspecworksheets.pdf>). Our design team will work closely with you to fully define the specification and initiate the design process. From there we can typically provide first articles in 8 to 10 weeks. GWP will work closely with you to insure that each charger meets your unique requirements and demanding application. We look forward to hearing from you.

240 Watt EVC

- On Board Vehicle Charger
- 85-265 VAC Input
- High Reliability
- Meets EL/EN61000-6-2 Immunity for Industrial Environment Emissions Requirements
- Efficiency up to 90%
- Over Voltage Protection
- Under Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67 Enclosure
- Case Dimensions - 10.08"(L) x 2.68" (W) x 1.67" (H)
- RoHS Compliant



400 Watt EVC



- On Board Vehicle Charger
- Constant Current / Constant Voltage 2 stage charger
- Universal AC Input/ Full Range
- 90-264 VAC Input
- High Reliability
- Communication via CAN bus
- Efficiency up to 91%
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP64 Enclosure
- Case Dimensions - 8.27"(L) x 6.10" (W) x 1.65" (H)
- RoHS Compliant

Go to greenwattpower.com for complete Datasheets

720 Watt EVC



- On Board Vehicle Charger
- Constant Current / Constant Voltage 2 stage charger
- Universal AC Input/ Full Range
- 90-264 VAC Input
- High Reliability
- Communication via CAN bus
- Efficiency up to 90%
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP64 Enclosure
- Case Dimensions - 12.2"(L) x 7.08" (W) x 2.0" (H)
- RoHS Compliant

1200 Watt EVC

- On Board Vehicle Charger
- Constant Current / Constant Voltage 2 stage charger
- Universal AC Input/ Full Range
- 90-264 VAC Input
- High Reliability
- Communication via CAN bus
- Efficiency up to 94%
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP65 Enclosure
- Case Dimensions - 14.76"(L) x 9.76" (W) x 1.73" (H)
- RoHS Compliant



Go to greenwattpower.com for complete Datasheets

Electric Vehicle DC/DC Converter

Green Watt Power (GWP) offers DC/DC Converters ranging from 300W to 450W with ruggedized construction suitable for electric vehicle, marine, industrial and other applications that draw power from a bank of batteries or other high voltage DC power source. It is used to supply power to accessories, lights, instruments, etc.

300 Watt EVD

- Fully Isolated
- High Reliability
- Available with 48VDC Input, 14.2VDC Output
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Remote On/Off
- Waterproof IP67 Enclosure
- Size: 7.48"(L) x 2.99" (W) x 1.71" (H)
- RoHS Compliant



450 Watt EVD 89VDC



- High Output Peak Load Surge Capability
- Fully Isolated
- High Reliability
- Available with 89VDC Input, 13.8 or 14.2VDC Output
- Efficiency up to 90%
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67 Enclosure
- Size: 7.80"(L) x 6.61" (W) x 2.17" (H)
- RoHS Compliant

450 Watt EVD 48/72/102VDC

- Fully Isolated
- High Reliability
- Available with 48VDC Input, 14.2VDC Output
- Available with 72VDC Input, 13.5VDC Output
- Available with 102VDC Input, 13.5VDC Output
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Remote On/Off
- Waterproof IP67 Enclosure
- Size: 7.48"(L) x 2.99" (W) x 1.71" (H)
- RoHS Compliant



Go to greenwattpower.com for complete Datasheets

LED Power Supplies

Green Watt Power (GWP) offers solutions ranging from 18W to 150W with reliable products that enable cost savings through high-efficiency and consistent reliable performance in architectural, street, indoor and general purpose lighting, signage, displays and commercial refrigerator and appliance LED lighting applications, to name a few.

GWP offers both standard and modified products to meet customer needs. We offer Constant Current and Constant Voltage power supplies depending upon the application and custom engineered solutions. Our emphasis is in Green Technology Applications for savings in both operating and maintenance costs.

GLC Constant Current Series Features:

- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- RoHS Compliant

18 Watt GLC

- Available Output: 350mA, 500mA or 700mA
- Size: 4.72"L x 1.38"W x 1.02"H



18 Watt GLCA - Compact Package



- Available Output: 350mA, 500mA or 700mA
- Size: 3.43"L x 1.65"W x 1.08"H

30 Watt GLC

- Available Output: 500mA, 700mA, 900mA, 1.1A, 1.3A, 1.4A, 1.65A or 1.8A
- Size: 6.42"L x 1.73"W x 1.25"H



40 Watt GLC



- Available Output: 900mA, 1.1A, 1.2A, 1.4A, 1.8A, 2.2A, or 2.4A
- Size: 6.42"L x 1.73"W x 1.25"H

50 Watt GLC

- Available Output: 1.05A, 1.4A, 1.75A, 2.1A or 2.8A
- Size: 6.42"L x 1.73"W x 1.25"H



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60 Watt GLC

- Available Output: 1.1A, 1.25A, 1.7A, 2.1A, 2.5A, 2.65A or 2.9A
- Size: 6.61"L x 3.15"W x 1.65"H



80 Watt GLC



- Available Output: 1.4A, 1.75A, 2.0A, 2.1A, 2.8A, 3.2A, or 3.75A
- Size: 6.61"L x 3.15"W x 1.65"H

100 Watt GLC

- Available Output: 1.75A, 2.1A, 2.45A, 2.8A, 3.2A or 4.2A
- Size: 6.61"L x 3.15"W x 1.65"H



150 Watt GLC



- Available Output: 2.8A, 3.2A, 3.75A, 4.2A, 5.0A or 6.25A
- Size: 8.98"L x 3.15"W x 1.78"H

Go to greenwattpower.com for complete Datasheets

GLV Constant Voltage Series Features:

- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- CE Approved
- Over Current, Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- RoHS Compliant

75 Watt GLV

- Output 24VDC, 3.15A
- Efficiency up to 86%
- Size: 6.61"(L) x 3.15" (W) x 1.77" (H)



150 Watt GLV



- Output 24VDC, 6.25A
- Efficiency up to 90%
- Size: 8.98"(L) x 2.83" (W) x 1.73" (H)

Dimmable LED Power Supply Features:

- Dimmable - 3 way (1-10V Analog, PWM, Potentiometer)
- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Over Current, Over Voltage, Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- RoHS Compliant

30 Watt GLCD

- Available Output: 350mA, 500mA, 700mA, 1.05A, 1.4A or 1.75A
- Efficiency up to 87%
- Size: 6.81"(L) x 1.73" (W) x 1.25" (H)



50 Watt GLCD



- Available Output: 500mA, 700mA, 1.05A, 1.4A , 1.75A, 2.1A or 2.8A
- Efficiency up to 87%
- Size: 6.81"(L) x 1.73" (W) x 1.25" (H)

Triac LED Power Supplies

20 Watt GLCT

- Triac/ELV Dimmer Compatible
- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Available Output: 400mA, 500mA, 600mA or 700mA
- Efficiency up to 84%
- Over Current, Over Voltage, Over Temperature Protection
- Short Circuit Protection
- Waterproof IP65
- Size: 3.74"(L) x 1.57" (W) x 0.98" (H)
- RoHS Compliant



Go to greenwattpower.com for complete Datasheets



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