



Green Watt Power

Division of Calnex Mfg. Co. Inc.

ELECTRIC VEHICLE CHARGERS DC/DC CONVERTERS LED POWER SUPPLIES



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On-Board Electric Vehicle Chargers

Green Watt Power (GWP) offers several universal AC input on-board chargers for a variety of Lithium Ion, Lithium Iron Magnesium Phosphate, and for other batteries powering a variety of 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 two 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
- Charger for Lithium Iron Magnesium Phosphate Batteries
- 85-265 VAC Input
- High Reliability
- Meets EN61000-3-2 Harmonic Current Emission Requirements
- Efficiency up to 90%
- Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP65 Enclosure
- Case Dimensions - 9.69"(L) x 2.68" (W) x 1.67" (H)
- RoHS Compliant



1300 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 1.77" (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 48/102VDC

- Fully Isolated
- High Reliability
- Available with 48VDC Input, 14.2VDC 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



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 48/102VDC

- Fully Isolated
- High Reliability
- Available with 48VDC Input, 14.2VDC 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.

18 Watt GLC

- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 350mA, 500mA or 700mA
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 4.72"L x 1.38"W x 1.02"H
- RoHS Compliant



18 Watt GLCA - Compact Package



- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 350mA, 500mA or 700mA
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 3.43"L x 1.65"W x 1.08"H
- RoHS Compliant

30 Watt GLC

- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 500mA, 700mA, 900mA, 1.1A, 1.3A, 1.4A, 1.65A or 1.8A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.42"L x 1.73"W x 1.25"H
- RoHS Compliant



40 Watt GLC



- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 900mA, 1.1A, 1.2A, 1.4A, 1.8A, 2.2A, or 2.4A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.42"L x 1.73"W x 1.25"H
- RoHS Compliant

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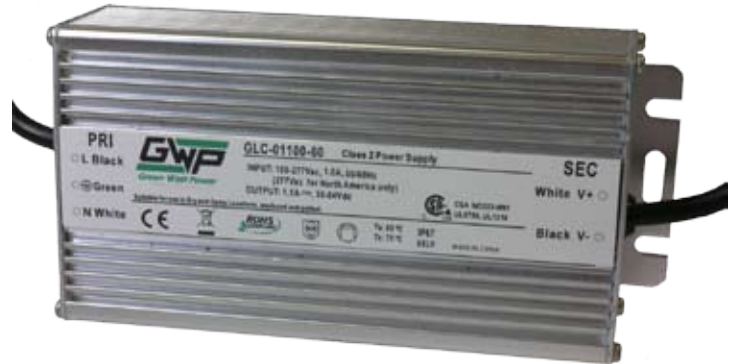
50 Watt GLC



- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 1.05A, 1.4A, 1.75A, 2.1A or 2.8A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.42"L x 1.73"W x 1.25"H
- RoHS Compliant

60 Watt GLC

- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 1.1A, 1.25A, 1.7A, 2.1A, 2.5A, 2.65A or 2.9A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.61"L x 3.15"W x 1.65"H
- RoHS Compliant



80 Watt GLC



- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 1.4A, 1.75A, 2.0A, 2.1A, 2.8A, 3.2A, or 3.75A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.61"L x 3.15"W x 1.65"H
- RoHS Compliant

100 Watt GLC

- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current
- Available Output: 1.75A, 2.1A, 2.45A, 2.8A, 3.2A or 4.2A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 6.61"L x 3.15"W x 1.65"H
- RoHS Compliant



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150 Watt GLC



- Universal AC Input/Full Range
- 100-277 VAC Input Agency Rating for North America
- CSA/UL Approved
- CE Approved
- Constant Current or Constant Voltage
- Available Output: 2.8A, 3.2A, 3.75A, 4.2A, 5.0A or 6.25A
- Over Voltage/Current Protection
- Over Temperature Protection
- Waterproof IP67
- Size: 8.98"L x 3.15"W x 1.78"H
- RoHS Compliant

Constant Voltage Power Supplies

75 Watt GLV

- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Efficiency up to 86%
- CE Approved
- Over Current, Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- Size: 6.61"(L) x 3.15" (W) x 1.77" (H)
- RoHS Compliant



150 Watt GLV



- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Efficiency up to 86%
- CE Approved
- Over Current, Over Voltage Protection
- Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- Size: 8.98"(L) x 2.83" (W) x 1.73" (H)
- RoHS Compliant

Go to greenwattpower.com for complete Datasheets

Dimmable LED Power Supplies

30 Watt GLCD

- Dimmable - 3 way (1-10V Analog, PWM, Potentiometer)
- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Available Output: 350mA, 500mA, 700mA, 1.05A, 1.4A or 1.75A
- Efficiency up to 87%
- Over Current, Over Voltage, Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- Size: 6.81"(L) x 1.73" (W) x 1.25" (H)
- RoHS Compliant



50 Watt GLCD



- Dimmable - 3 way (1-10V Analog, PWM, Potentiometer)
- Universal AC Input/ Full Range
- 100-277 VAC Input for North America
- Available Output: 500mA, 700mA, 1.05A, 1.4A, 1.75A, 2.1A or 2.8A
- Efficiency up to 87%
- Over Current, Over Voltage, Over Temperature Protection
- Short Circuit Protection
- Waterproof IP67
- Size: 6.81"(L) x 1.73" (W) x 1.25" (H)
- RoHS Compliant

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



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