Kodiak User Guide

Charging Port 1:
- AC Solar Car
  - Up to 270W/10 Amp maximum

Charging Port 2:
- High Current Charging Port for Solar/Wind
  - Up to 32 V DC at 40 amps, 600 W Maximum.

External battery bank connection.

OUTPUT PORTS:
- (6) 110V AC Plugs
  - Up to 1000W continuous per outlet (10 Amp max), 1500W max for combined AC output. 3000W combined starting surge, pure sine wave.

- (1) 30 amp RV plug, 125 Volt, NEMA TT-30R.
- (2) 12V DC universal car sockets 15amps maximum per socket.

USB outlets, 15W max per pair.

Light port, 12V DC 5.5 x 2.5mm connector standard 50W max output per port, up to 10 - 5W Inergy LED lights, daisy chained together.

BATTERY STORAGE INDICATOR

HANDLE/SHOULDER STRAP

POWER DISPLAY

CHARGE INDICATOR

inergy KODIAK
1000W ULTRA LIGHT SOLAR GENERATOR

POWER YOUR PASSION

877.969.2432 • 620 Pheasant Ridge Drive • Chubbuck, Idaho • 83202
WWW.ENERGYSOLAR.COM
Unpacking Your Kodiak

Included in the box:

A. Kodiak generator
B. AC Charger

Charging Your Kodiak

Charging with Solar

The Kodiak provides two ports for charging using solar panels (sold separately):

Port 1: Standard solar panel input for use with Inergy’s foldable and modular solar panels up to 270W/10 Amps total.

Port 2: High current charging for larger Inergy’s rigid panels that support up to 32 Volts DC at 40 amps and up to 600W.

Charge times vary depending on the solar panels used.

Charging with AC (wall) Charger

The provided AC (wall) charger charges the Kodiak at 110 Volts AC/60W taking approximately 10 hours to fully recharge the Kodiak.

Charging with Car Charger

Using a car’s DC charge port at 240W will fully recharge the Kodiak in approximately five (5) hours. Connect Car Charger to either 12V DC Universal Car Socket.

Charging with External Batteries

The Kodiak provides a set of external battery bank connectors with both input and output capabilities to be used with external lead acid batteries (sold separately).

Using Your Kodiak

Reading the Power Display

The Power Display has 4 unique readings:

Top Left: Current (Amps) being consumed. While idle, 0.02 - 0.05 Amps is a normal reading.

Top Right: Battery Voltage. Fully charged is approximately 12.5 - 12.8 Volts, completely depleted is approximately 9.6 Volts. Individual results may vary by 10%.

Bottom Right: Watts being consumed. While idle, 0.2 - 0.5 Watts is a normal reading.

Bottom Left: Accumulated power readings of different metrics for advanced users. Under most circumstances, these specifications are redundant - refer instead to the above readings.

Powering Devices

All DC Ports (12V DC Car Socket, USB Ports, & Basecamp LED Light Ports) are always live. Simply connect to the corresponding port needed and power will flow.

All AC Ports are powered by the built in AC Inverter. To turn on the Inverter, simply press the Power Button. You may hear a cooling fan, and see a small increase on the Power Display in both Wattage & Amps. The AC Ports are now available for use. There may be a small delay when powering up devices using AC Ports as the inverter comes online, this is normal.

The Inverter turns off at approximately 20% remaining battery. DC power is still available, but more battery storage is needed to power the inverter.

If the AC output limit is exceeded, the inverter may power off and go into safe mode. If restarting the Kodiak doesn’t restore AC power, plug in the wall charger for 10 seconds and restart the Kodiak. AC power should be restored.

Reading the Battery Storage Indicator

To view current battery storage level, turn on the Kodiak by pressing the power button. There are 10 multi-colored LEDs, each represents approximately 10% of the battery capacity.

Maintaining the Kodiak for Storage

We recommend charging the Kodiak every 3 months for best performance and longevity. Not recommended for outside storage or in damp environments.
Kodiak Specifications

Output Ports:
- 6- 110VAC Plugs
  1000 watt continuous per outlet, 3000 Watt starting surge maximum, 10 amp maximum output per AC plug, 1500 Watt total limit for combined AC & DC output.
- 1- 30 Amp RV plug, 125 Volt, NEMA TT-30R
- 2 - 12V DC Universal Car Sockets, 15 Amps maximum per socket
- 4- USB Outlets 5V DC, 1 - 2.1 Amp port and 1 - 1 Amp port, regulated, 15 Watts Maximum per adapter
- 2 - Light Port, 12VDC 5.5 x 2.5mm connector standard 50 Watts maximum output per port, up to 10 Basecamp LED lights chained together.

Battery:
- Lithium Ion (Lithium Nickel Manganese Cobalt Oxide, NMC) 1000 watt continuous for 1 hour, 3000 watt peak (AC and DC combined)
- 12.6V DC, 90AH
- Up to 2000 charge cycles
- Up to 10 years shelf life, charge at least every 3 months. Integrated charge balancer and controller
- Over charge and balancing protection

General:
- Weight: 20 lbs (9 Kg)
- Dimensions: 9” tall, 14” wide, 9” deep
- Warranty: 1 year

Note: you can extend useful run times off grid by connecting the solar panel during the day and maximizing the internal battery charge. You can charge Inergy’s solar generators and use the power outputs at the same time.

Visit www.inergysolar.com for more information about your Kodiak generator.