

# AIMS POWER™

[www.aimscorp.net](http://www.aimscorp.net)

## INDUSTRIAL POWER STATION 600 AMP 2000 WATTS 12VDC



KITE-2K12120-A1  
KITE-2K12120-A2  
KITE-2K12120-B1  
KITE-2K12120-B2

## **HELPFUL TIPS**

INSPECT UNIT FULLY ON RECEIPT.

Before using your power station, ensure the battery is charged to 13.6V. The meter on the enclosure door displays voltage and amps.

Recharge when voltage reads 11.5V. Max recharge time 8-10 hours.

Keep power station out of damp areas. The enclosure is NOT waterproof.

Periodically cycle batteries. Every 3 to 6 months.

The power station may be wired to a subpanel to power critical loads. For charging and bypass, it is recommended to wire to a 30-amp service. A 15 or 20-amp service may be used for charging only.

The power station is recharged using a generator or grid power. Optional input cable available. For AIMS generator, a L14-30R female plug to plug into power station can be purchased separately at any local hardware store.

Store on flat, stable surface, capable of supporting over 600 lbs.

The digital display on enclosure is conveniently always on to provide current status. Don't worry, it consumes < 10 milliamps of power!

# POWER STATION

## Prewired All-in-One

This industrial powerful back up power system is prewired and ready to provide power whenever you need it! AIMS Power has built an all in one, prewired, battery power station that easily stores in a small area, ready to provide power to your critical loads during a power outage or for off grid applications. The power station runs twice as long as a 2000 Watt gas generator without fumes or gas and can be used indoors. Unlike other all in one power stations, this unit provides power for larger applications and does not lack power.

### APPLICATIONS

Home / Business – Standby power. Automatically transfers from grid/generator to power station quickly for critical power needs. Bypass and charging capability.

Job Sites/Remote – Ideal for commercial vehicles that need industrial power on the go.

Runs 2000 watts, 17 AC amps, continuously for 4 hours. Most home appliances run intermittently so run time varies based on load and time used. The power station can power refrigerators, freezers, small heaters, CPAPs, TVs, lights, fans, computers, pumps, kitchen appliances and tools.

### FEATURES

- ⦿ Powerful!
- ⦿ All in one in convenient battery box
- ⦿ Prewired for easy operation
- ⦿ AMP Capacity: 600 amps AGM or Lithium options available
- ⦿ Inverter charger 2000 watts / 6000 watts surge pure sine power
- ⦿ Prewired input and output ports
- ⦿ Industrial grade
- ⦿ Recharge batteries using grid or generator using the prewired 30 amp input port
- ⦿ Low maintenance
- ⦿ Efficient use of space in a compact enclosure
- ⦿ LED display for inverter and digital display on enclosure

### POWER STATION COMPONENTS

- ⦿ Qty 1 2000 Watt / 6000 Watt Surge Pure Sine Inverter Charger 12Vdc to 120Vac
- ⦿ Qty 3 200 amp hour deep cycle batteries
- ⦿ Qty 1 Pre-wired industrial grade steel battery box
- ⦿ LED remote panel for inverter
- ⦿ Battery temperature sensor
- ⦿ All cables, fuses and shunts included and pre-wired for convenience

**Expandable:** Custom power stations available up to 8, 200 amp batteries, solar and inverters up to 12kW

## SPECIFICATIONS

### BATTERIES

- AGM or Lithium LiFePO4 (depends on model)
- Qty 3 - 200 amp 8D style batteries
- Lifecycles
  - **AGM** 650 @ 50% DOD
  - **Lithium** 4800 @ 80% DOD

### OUTPUT

- Listed to UL 458 & CSA 22.2 standards
- Continuous output power: 2000 Watt
- Surge rating: 6000 Watt (20 seconds)
- Output waveform: pure sine
- Output voltage: 120 Vac
- Nominal efficiency: >92% (peak)
- Line mode efficiency: >95%
- Output breaker: 20 A
- Transfer load: 20 A
- 2 15 amp outlets
- 1 20 amp outlet
- 2 USB 5V outlets
- Output frequency: 60Hz +/- 0.3Hz
- Typical transfer time from grid/generator to power station inverter: 10ms (max)
- THD: < 10% DC

### AC INPUT

- 30 Amp Nema L14-30 plug accepts 120Vac (240V may be used L2 open) from grid or generator
- Recommended 30 amp service for charging and bypass. 20 amp may be used for charging only.

### DC INPUT

- Nominal input voltage: 12.0 Vdc
- Minimum start voltage: 10.0 Vdc
- Low battery alarm: 10.5Vdc-11.0 Vdc
- Low battery trip: 10.0Vdc-10.5 Vdc
- High voltage alarm: 16.0 Vdc
- Low battery voltage restart: 13.0 Vdc
- Idle consumption: 28 W
- Input charger breaker: 20 A
- Short circuit, overload, high/low voltage protection
- Power saver mode idle consumption: <12.7 W

## CHARGER

- Smart 3 stage charger
- Output voltage: depends on battery type
- Charger rate: 70A
- Lithium, GEL, AGM, Lead
- Max recharge time – 8-10 hours

## ENCLOSURE

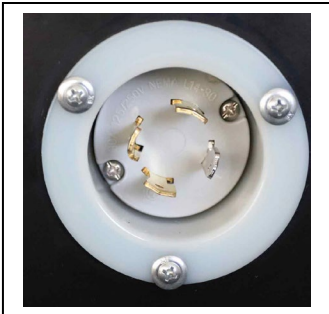
- Industrial grade carbon steel material – heavy duty
- Powder coated
- Digital Volt and Amp display
- 2 Shelves – each shelf measures 11 1/2" H x 25"D x 23"W
- Heavy duty caster wheels with brake
- Cabinet handle with lock – tamper proof
- Pre-wired DC and AC connections
- Supports up to 1000 lbs

**Dimensions: 27 1/2"H x 26"W x 32"D**

**Weight: 602 lbs**

## KIT OPTIONS

KITE-2K12120-A1	KITE-2K12120-A2	KITE-2K12120-B1	KITE-2K12120-B2
2000 Watt Inverter Charger 12Vdc to 120Vac UL	2000 Watt Inverter Charger 12Vdc to 120Vac UL	2000 Watt Inverter Charger 12Vdc to 120Vac UL	2000 Watt Inverter Charger 12Vdc to 120Vac UL
12V 200A <b>AGM</b> Battery - Qty 3	12V 200A <b>AGM</b> Battery - Qty 3	12V 200A <b>Lithium</b> Battery - Qty 3	12V 200A <b>Lithium</b> Battery - Qty 3
Fuse Kit	Fuse Kit	Fuse Kit	Fuse Kit
Battery Box Industrial	Battery Box Industrial	Battery Box Industrial	Battery Box Industrial
All Cables	All Cables	All Cables	All Cables
LED Remote	LED Remote	LED Remote	LED Remote
Temp Sensor	Temp Sensor	Temp Sensor	Temp Sensor
	Generator 3200 Watt		Generator 3200 Watt



30 AMP



20 AMP



2 15A  
2 USB

**LED REMOTE**

- Charge
- Inverter
- Alarm

