

# 5-in-1 Power Station<sup>®</sup>



User's Manual





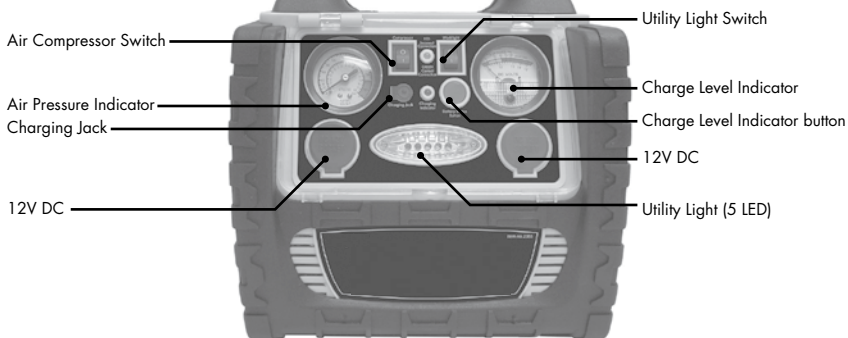
**5-IN-1 POWER STATION** MODEL: HH-215

- Jumpstart System
- 260 PSI Air Compressor
- 400 Watt Power Inverter
- LED Worklight
- 12 Volt Power Station

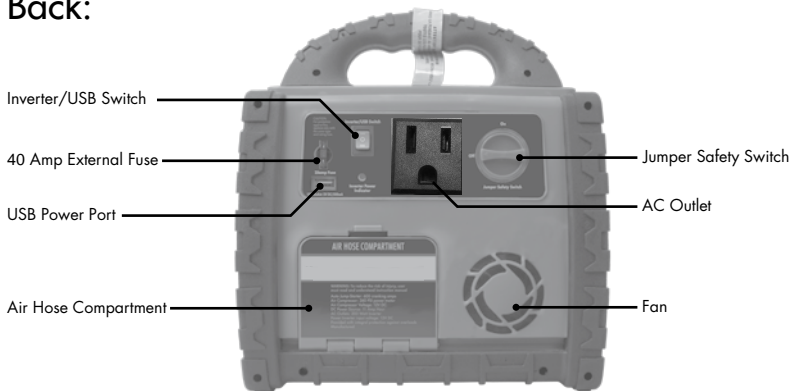
Dongguan Huifan electrical products Co., Ltd.  
www.huifan.org

DIAGRAM

Front:



Back:



---

Thank you for purchasing the 715 By Tyrell Chenergy Incorporation. With minimal care and proper treatment it, will provide years of reliable use.

## IMPORTANT INFORMATION

Before Product use, read and understand all warnings, cautions, and notes included in this manual. It is important to also follow instructions provided by your vehicle manufacturer and manufacturer of other devices intended to be used with this unit. Keep these instructions for future reference.

Make sure the Product is fully charged before first use.

## SPECIFICATIONS

Sealed Lead Acid - Rechargeable Battery	12 Volt, 18 Amp Hour
Work Light with On/Off Switch	5 x LEDs
Compressor	260 PSI
Inverter Output - AC outlet	110 Volts AC 60 Hz
Inverter Peak Power	400 Watts – 800 Watts peak (max of 0.3 sec.)
12 Volt Accessory Outlet	11 Amps max
USB Power Port	5 Volt up to 2.1A
AC Charging Time from discharge	36 hours
DC Charging Time (engine operating)	12 hours
Jump Start Cables and Clamps	6 Gauge, heavy duty clamps 61 cm length

## MAJOR FEATURES:

- 900 Amp Jumpstarter with heavy duty cable and clamps
- 260 PSI High Flow Air Compressor for inflating tires and accessories
- Easy-read analog Pressure Gauge
- 400 Watt Power Inverter (800 watts peak)
- Two AC 110 Volt outlet
- Two 12 Volt Accessory Outlets for powering DC appliances (loads up to 11 Amps)
- USB power port
- Bright LED Area light
- AC Recharging Adapter
- DC Recharging Adapter (fused)
- Easy-read analog voltmeter for checking battery status
- Jumpstart cable polarity indicator for safety

## BATTERY STATUS

Battery Status provides the user with a current state of charge on the internal battery. It is the user's responsibility to periodically monitor the battery charge and to recharge the battery after each use. Recharge every three months even if the Product has not been used.

1. Press and hold the BATTERY STATUS button
2. The Battery Status Meter (DC Voltmeter) will display the battery voltage
3. Battery status (voltage) is read with charging adapters disconnected
  - $\geq 12.6V$  DC: battery is ready for use
  - $\leq 12.0V$  DC: battery needs some charging
  - $< 10.5V$  DC: battery is discharged, charge immediately

## CHARGING THE POWER DOME

### *AC Charging*

Make sure the supplied AC Charging Adapter is to be powered by the correct voltage. (i.e. 110V AC ). Only use the AC charging adapter supplied with this unit.

1. Make sure all Product switches are set to OFF
2. Open the dust cover on the Charging Jack
3. Connect the AC Charging Adapter to the AC outlet
4. Plug the Charging Adapter's cord into the Product's Charging Jack
5. The Charging Indicator will light during the charging process
6. Initial AC charge can take up to 36 hours
7. Do not charge for more than 48 hours
8. After charging the battery, disconnect the adapter from the AC outlet first, then from the charging jack
9. Replace the dust cover on the charging jack

NOTE: The Charging Indicator light indicates charging. Press the Charge Status Button for the Voltmeter to show battery voltage and charge status.

### *DC Charging in Your Vehicle or Boat*

Only use the DC charging adapter supplied with this unit.

NOTE: The engine must be running while charging the Product.

1. Make sure all Product switches are set to OFF
2. Open the dust cover on the Charging Jack
3. Plug the Charging Adapter's cord into the Product's Charging Jack
4. Plug the DC Charging Adapter into an accessory outlet (cigarette lighter)
5. The Charging Indicator will light during the charging process
6. Do not charge more than 14 hours using the DC method
7. After charging the battery, disconnect the adapter from the accessory socket first, then from the charging jack.
8. Replace the dust cover on the charging jack

---

## DC POWER PORT

DC Power Ports (accessory sockets) are located under the Pressure Gauge and the Battery Status Meter (voltmeter). The ports can power a DC load of up to 11 Amps. Overloading the port will result in "tripping" a self-resetting circuit breaker. Removing the overload automatically restores power to the DC Power Ports.

1. Uncover the dust cover from the Power Port
2. Insert the 12V DC accessory plug into the Power Port
3. Operate the appliance as you normally would
4. After use, disconnect the accessory plug from the Power Port
5. Replace the Power Port's dust cover
6. Recharge the Product as soon as convenient

## USING THE AIR COMPRESSOR

The Air Compressor Gauge and ON/OFF Switch are located on the front of the Product. The Compressor Air Hose Compartment is located on the rear of the Product.

### CAUTION:

- Never connect or disconnect the nozzle with the compressor operating.
- Before any tire inflation, look for the recommended inflation pressure information on the sidewall of the tire.

### *Inflation Procedure*

1. Open the Air Hose Compartment door at the rear of the Product and extend the air hose.
2. Position the Product so that you see the front panel
3. Make sure nozzle lever is positioned UP (away from the nozzle opening)
4. Remove the valve cap from the valve stem
5. Attach the nozzle to the tire's valve stem
6. Move the nozzle lever down to secure the nozzle to the valve stem
7. Turn compressor switch on to ON position
8. Monitor the pressure gauge while inflating the tire
9. When recommended tire pressure has been reached, turn the Compressor OFF
10. Disconnect hose and replace valve cap
11. Store the hose in the Air Hose Compartment
12. Recharge the Product as soon as convenient

## DC TO AC POWER INVERTER

The Product's inverter can operate most AC appliances or a combination of appliances up to 400 watts. Operating time is dependant on the AC load (watts) and the current charge of the Power Dome's internal battery. Reduced AC loads and a fully charged battery will result in longer operating time. Be sure to turn off or disconnect any AC appliance not in use.

There is a user-replaceable 40 amp automotive type fuse to the left of the inverter ON/OFF switch. This fuse protects the inverter from an unlikely excessive input current. Ordinary overloads will cause the inverter to automatically shut down. When this happens, reduce the load and restart the inverter.

## USING THE POWER INVERTER

1. Connect the AC appliance to the AC outlet
2. Turn on the Inverter using the Inverter's ON/OFF switch
  - "O" = OFF
  - "I" = USB and DC sockets ON
  - "II" = Everything On (AC outlet, USB Port, and DC sockets)
3. If the Inverter Power Indicator LED light is green, the inverter is operating
4. Turn on the AC appliance and observe the Power Indicator
5. If the LED remains green, then the appliance is operating properly
6. After use, remove the appliance plug
7. Recharge Product as soon as convenient

NOTES: If the Power indicator LED is not lit, then reduce the AC load. If the inverter is still not operating, refer to the troubleshooting table at the end of this User's Manual.

### **CAUTION:**

Some rechargeable devices are equipped with a separate AC charger. These devices will most likely operate properly with this inverter. Rechargeable devices that have built-in chargers (see device owner's manual) may not operate properly with this type of inverter.

The motors of some motorized devices may operate at excessive motor temperature. Abnormally elevated temperature of the motor is an indication that they should not be used with this inverter.

Some televisions and other electronics with sensitive components should be checked to see if they are compatible with modified sine wave (non-sinusoidal) inverters. Check with the appliance manufacturer.

---

## JUMPSTART WARNINGS

Lead-acid batteries can release explosive gasses. Failure to follow instructions may cause property damage, explosion hazard, and/or personal injury.

- This product is not a toy, keep out of the reach of children.
- Do not operate this device while wearing vinyl clothing. Static electricity may be generated when vinyl clothing is rubbed.
- Remove any metallic jewelry, such as rings, bracelets, necklaces, and watches while working with a lead acid battery. It can produce a short-circuit that may cause severe burns.
- Wear complete eye protection. Do not touch eyes while working near or with battery. Battery acid can cause blindness and/or severe burns.
- Do not smoke while jump starting
- Never charge or jump-start a frozen battery.
- To prevent short-circuits and arcing, never allow the metal ends/tips of clamps (positive & negative terminals) to touch each other or connect to the same piece of metal.
- Power Dome is for use with 12 volt systems
- Jump start a vehicle or boat in a well ventilated area
- After using the jump starter, turn OFF Jumper Safety switch
- Excessive engine cranking can damage the vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jumpstart procedure and look for other problems that may need to be corrected.
- If vehicle to be started has a Positive Grounded System (positive battery terminal is connected to chassis):
  - i. Connect negative (-) black clamp to vehicle battery's negative terminal.
  - ii. Connect positive (+) red clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to positive battery terminal or moving part.



## JUMPSTARTING

1. Review the Jumpstart Warnings
2. Make sure all vehicle appliances, lights, radio, etc. are turned OFF
3. Make sure the vehicle's brake is set and the transmission is in "Park"
4. Make sure all Product switches are OFF
5. Securely connect the Red (+) cable Clamp to the vehicle's Positive (+) battery terminal
6. Connect the Black (-) cable Clamp to a non-moving part on the vehicle
7. Observe the color of the REVERSE POLARITY LED that is located between the Battery Status and Work Light Switches
8. If the LED is RED—DO NOT TURN ON THE JUMPER SAFETY SWITCH
  - Cable clamps need to be reversed
  - Disconnect the black clamp first and then the RED cable clamp
  - Reconnect and observe the LED
  - If the LED is green, turn ON the Jumper Safety switch
9. Inside the vehicle, turn on the ignition switch and attempt to start the engine.
10. Crank a maximum of three seconds. If the engine does not start, wait three minutes before the next attempt
11. After the engine starts, turn OFF the Jumper Safety switch.
12. Disconnect the black clamp first, and then disconnect the red clamp.
13. Be sure that the cables and clamps are securely stored.
14. Recharge the Product as soon as convenient.

NOTE: If the engine does not start, there may be a problem other than a discharged battery. Call for service.

## USB POWER PORT

Set Inverter/USB switch to the "USB port" position. The USB Power Port is located underneath the charging jack. It can power/charge devices that require 5 Volts up to 2.1A through the use of a user-supplied cord.

## TROUBLE SHOOTING GUIDE (FOR INVERTER)

<b>Trouble</b>	<b>Cause</b>	<b>Remedy</b>
Lack of power output	Product battery voltage below 10 volts	Recharge the Product immediately
	Excessive current drawn by appliance being operated	Reduce load to maximum of 400 watts
		<ol style="list-style-type: none"> <li>1. Turn OFF the device and inverter</li> <li>2. Disconnect device</li> <li>3. Turn the inverter ON and run for a minimum of 2 minutes</li> <li>4. Turn OFF inverter, quickly plug in device to inverter making sure device is OFF prior to connection</li> <li>5. Turn ON the inverter and device</li> </ol>
Inverter fuse blown	Check and replace if necessary. Be sure any replacement fuse is the same type and rating.	
Inverter Power Indicator is not lit.	Excessive voltage drop	Check Product and recharge if voltage drops below 10 volts.
	Inverter is overloaded	Reduce load to maximum of 200 watts.
Television/Power Tool will not start	High surge wattage requirement to start-up	Toggle the On/Off switch in quick succession five times. If the device does not start, the device is not compatible with this type of inverter.
Television Interference	Picture breaking up (snow).	Place the Product as far from the TV, antenna, and coaxial cable as possible.
		TV station may be out or range.
		Do not use inverter with low quality audio AC filtering system.
Static/noise interference in audio system	Sound system has weak alternating current shielding	Replace audio system with high quality noise filtering

## One YEAR WARRANTY

Battery not covered

**ONE YEAR LIMITED WARRANTY**

Tyrell Chenergy Inc. (the **Manufacturer**) warrants this product against defects in materials and workmanship that may occur under normal use and care, for a period of ONE YEAR from the date of purchase by the ORIGINAL purchaser (known as the warranty period **THIS LIMITED WARRANTY IS NOT TRANSFERABLE OR ASSIGNABLE.**

If there is a defect and a valid claim is received within the warranty period due to material or workmanship, the manufacturer will repair or replace the defective product with a new or reconditioned unit at the option of the manufacturer. It is the obligation of the purchaser to forward the defective product and the proof of purchase, along with shipping charges prepaid to the manufacturer or its authorized representatives in order for repair or replacement to occur.

The manufacturer hereby excludes and disclaims any and all other warranties, expressed or implied or statutory warranties, beyond those warranties specified above. The manufacturer excludes any implied warranty of merchantability or fitness for a particular purpose. This limited warranty is void if the product is misused, subjected to careless handling, repaired, or modified by anyone other than the manufacturer, or if this product is resold through an unauthorized retailer.

The manufacturer does not provide any warranty for any accessories used with this product that are not manufactured and approved by Tyrell Chenergy Inc, for use with product. Further, the manufacturer shall not be liable for any incidental, special, or consequential damage claims incurred by purchasers, users, others associated with this product, including, but not limited to, lost profits, anticipated sales, business opportunities, business interruption, and any other injury or damages.

This warranty gives the original purchaser specific legal rights and original purchaser may have other rights which vary from state to state. This product is not intended for commercial use.

Tyrell Chenergy Inc.  
5405 Morehouse Dr., Ste.320  
San Diego, CA 92121  
619-861-2511

