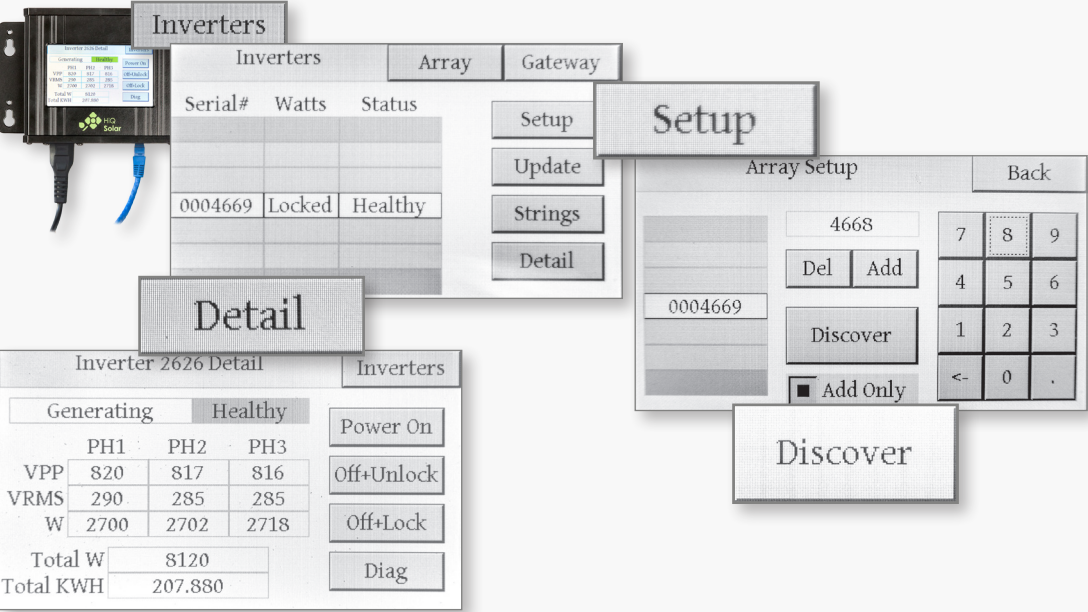






Discover System

- Switch on AC power to the Gateway and the inverter(s)
- Press ‘Discover’ button
- Gateway will search for any/all TrueString inverters and check they are healthy
- Press ‘Detail’ button. If a fault is indicated, check AC wiring



Connect PV Strings

- Instructions
- Switch off AC to inverter
  - Remove connector end caps
  - Connect 2 strings
  - Secure DC wiring to array racking
- Design
- 1,000V-rated
  - String lengths, stacking etc. - see installation manual
  - Uneven strings are ok, see manual
  - Connectors are certified means of DC disconnect, don't need additional disconnects

**Warning**

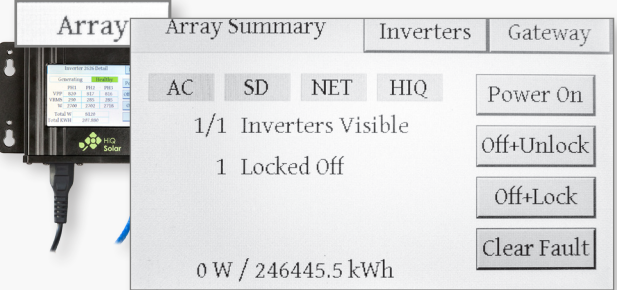
- Do not reverse + and - polarities on DC inputs, this will damage unit and invalidate warranty



Inverter Button Push	Result
1 press	• Make inverter beep ("are you alive?")
2 presses	• "Off & locked" - disabled • Do not 5-minute self-start
3 presses	• Start generating immediately • If locked, unlock & generate immediately • (If system is faulted, will unlock but won't generate)
Inverter Indicator State	Meaning
Solid	• Powered up • Not generating • No faults
Left-right flash	• Power-on self-test (will take <1 minute)
Green chaser	• Powered up • Generating • No faults
Rapid flashing	• Faulted. For example, arc detected
Mostly on	• "Off & locked" - disabled
Mostly off	• Sleeping - not generating

Switch on AC

- Switch AC back on if necessary
- The system will wait 5 minutes, self-test then start generating power.



AC

SD

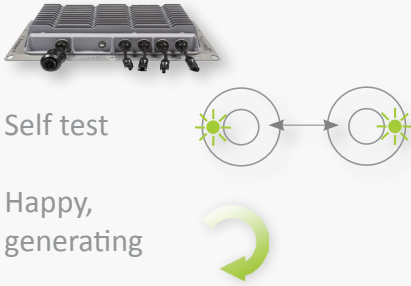
NET

HIQ

Gateway Indications:

- Gateway's AC wiring is correct (Neutral is connected, voltage is within tolerance)
- The SD card is inserted and the file system is OK
- The network is connected. Ethernet cable is OK, Gateway has acquired an I.P. address
- Gateway was able to contact the HiQ server and upload data

- Press 'Array' button on Gateway
- Pressing 'Off+Unlock' button will unlock any previously locked inverters
- Press 'Power On' to omit the 5 minute delay if desired
- Gateway communication health is shown



Buttons & Indicators

- More information and other indications detailed in the installation manual

Button State	Meaning
DISCOVER	• Initial state
DISCOVER	• Once pressed, in process of discovering inverters. Will return to initial state with empty serial number list if no inverters found
DISCOVER	• Error found, for example signal strength too low, too much background noise on circuit. Red color only clears when user re-tries & fault condition no longer applies
DISCOVER	• Once discovery has successfully occurred, button returns to original state

On-Line Literature

208V TrueString Inverter



AC Splice



You're done!

Congratulations. More information at [www.hiqsolar.com](http://www.hiqsolar.com).

