Welcome! Thank you for choosing the HiQ Solar Mini Inverter. Set up is easy.....

What's in the Box?

Balancer 4 per Mini Inverter Balancer (4)



Balancer to Mini Inverter Cable, 15ft (4) AC Cable. 15ft (1) ▶

Mini Inverter AC Tool (1) ▶

Mini Inverter (1)

Mini Inverter Communications Gateway

Gateway and included SD card (1 each)



Gateway Ethernet



Cable (1) ▶

Notes on Siting

Recommend Mini Inverter be mounted vertically with connectors downwards.



under panels, connectors at lowest point.

be sited in the shade

Tie-wrap cables to avoid wind vibration.

Warnings

System to be connected to 208V 3-phase ONLY.

Do not disconnect cables while under power.

Gateway is for indoor use only.

Balancers & Mini Inverter must be

Connect Balancers to Mini Inverter

Using the 12 ft Balancer to Mini Inverter Cables, connect each Balancer to the Mini Inverter.





Connect to AC

(i) With AC off, wire the Mini Inverter to the AC system in the usual way using the supplied AC cable, AC remains off,



Any color to any phase

White to Neutral Warnina: 208V 3-phase ONLY!



(i) The Gateway should be sited indoors, as near to the Mini Inverter(s) Gateway as possible for reliable communications. Neutral Another phase





(ii) Connect power

Ethernet may also be connected at this stage but is not required.



Continues on Page 2



Nearly there! Finishing up.....

(iii) Switch on power to the Mini Inverter. System > Press 'Inverters' button on Gateway.

> Press 'Discover' button.

Idle

349 346 349 PWR OFF

4 modules per Balancer is typical. Using fewer modules

allows higher voltages and powers per module. See instruction manual for details

VPP

here, check AC wiring

Connect

Modules

Connect one module to each port of each

Switched off AC.

Balancer.

VRMS 122



PWR ON

LOCATE DIAG

Buttons & Indicators



Mini Inverter Button >

& Balancer

Indications

Inverter Button Push 1 press

· Make inverter & balancers beep ("are you alive?")

· 'Off & Locked' - disabled . Do not 5-minute self-start

Result

· Start generating immediately . If locked, unlock & generate immediately . (If system is faulted, will unlock but won't generate)

Switch on AC

Switch AC back on.

> Press 'Inverters' button on Gateway > Press 'Detail' to show inverter detail screen.

> Press 'Power Off' button to unlock generation. The system will wait 5 minutes, then start generating power.

verter 1001 Detail INVERTERS PWR ON PH1 PH2 PH3 VPI 349 346 349 PWR OFF VRMS LOCATE DIAG

> Check the Gateway 'Panels' screen to verify everything is healthy.



Inverter Indicator State	Meaning	Balancer Indicator State	Meaning
Solid	Powered up Not generating No faults	Solid	Powered up Not generating No faults
Green Chaser	Powered up Generating, no faults	Green Chaser	Powered up Generating, no faults
Rapid Flash	• Faulted	Rapid Flash	Faulted or Fire Safety initiated
		Red Chaser	Unable to generat for some tempora reason; e.g. PV module misconfig.
Mostly On	'Off & Locked' - disabled		
Mostly Off	Sleeping – not generating	Off	Sleeping – not generating

Communication Gateway Discovery Button

Button State | Meaning DISCOVER Will return to initial state with empty serial number list if no inverters found . Error found, for example signal strength is too low, too much

background noise on circuit, Red color only clears when user re-tries & the fault condition no longer applies DISCOVER



Congratulations. More information can be found in the HiQ Solar Mini Inverter instruction manual. available from www.higsolar.com.



Short or

weather-proofed

The capabilities of a micro inverter at a fraction of the cost. with high reliability and features beyond

Note: All ports

must be mated

weatherproofed

to remain NEMA6.