



5.6KVA 5.5KWH LITHIUM COMPACT POWER STATION

KEY FEATURES

- InfiniSolar 5.6kVa On-Grid Pure Sine Wave Inverter (PF1)
- Pure Sine Wave Solar Inverter with 3 outlet plugs
- Built-in 6000W MPPT solar charge controller
- Built-in Wi-Fi for remote monitoring
- Hubble X-101 51V 5.5kWh Lithium Battery (1C) / Hubble AM-2 5.5kWh Lithium Battery
- Advanced BMS with current limiting function
- Long battery lifespan (3000 cycles at 100% DoD)
- Sleek integrated battery design
- No installation required, easy to use Plug and Play unit
- Can also be connected to your DB Board by qualified electrician
- Castor wheels for easy relocation
- Overload and Short circuit protection
- 10 (ten) year / 3000 cycle Battery warranty
- 12 month inverter warranty



5.6KVA 5.5KWH LITHIUM COMPACT POWER STATION

Dimensions (W x H x D)	55 x 49 x 57
Weight (unit only)	70 kg

INVERTER SPECIFICATIONS: INFINISOLAR 5.6KVA PURE SINE WAVE INVERTER

POWER

Rated Output Power	5600 VA / 5600 W
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AC INPUT (OFF-GRID)

Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Max AC Input Current	40A
AC start-up Voltage / Auto start Voltage	120 - 140 VAC / 180 VAC

BATTERY MODE OUTPUT

Nominal Output Voltage	220/230/240 VAC
Surge Power	10000 VA
Efficiency (Peak)	93%
Transfer Time	10 ms (for Computers) 20 ms (for Home Appliances)
Output Waveform	Pure Sine Wave

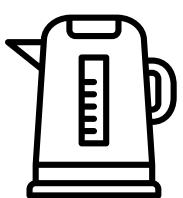
BATTERY & CHARGER

Solar Charge Type	MPPT
Max PV Array Power	6000W
MPP Range @ Operating Voltage	120 - 430 VDC
Max. Solar Charge Current	120 A
Max. AC Charge Current	120 A
Max. Charge Current (Total)	120 A

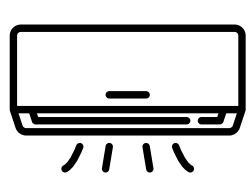
INTERFACE

Parallel Function	Yes - Up to 9 units
Communication Port	USB / RS232 / RS485 / WiFi / Dry-contact
Storage Temperature	-15 to 60
Noise Level	Low

TECHNICAL SPECIFICATIONS



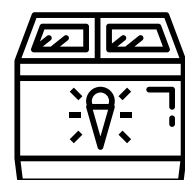
Kettle



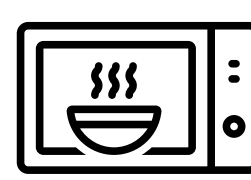
Air-Conditioner



Office / Business



Fridge and Freezer



Microwave



Medical Equipment



Hairdryer

BATTERY SPECIFICATIONS: HUBBLE 51V 5.5kWh Lithium-Ion Battery with CAN-bus

GENERAL INFORMATION

Battery Type	Lithium-Ion
Normal Voltage	51V
Rated Capacity	110 Ah
Total Energy	5.5kWh
Equilised Charge Voltage	53.6V
Max. Continuous Charging Current	100A
Max. Continuous Discharging Current	100A
C Rating	1.0C
Design Life	Approx. 15 years
Dimensions (D x W x H)	53 cm x 45 cm x 18cm
Weight	42kg
Protection Class	Electronic circuit breaker, BMS voltage protection, Current Limiting
Working Temp. Range	Recharge 0 to + 55
Humidity	0 - 95 % RH (non-condensing)
Ports	1x CAN-bus; 2X R/S-485 Battery link ports; 1X RS232

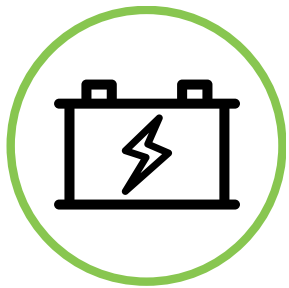
PROTECTION

Electronic circuit Breaker

BMS voltage Protection

Current Limiting

Product specifications might change without prior notice



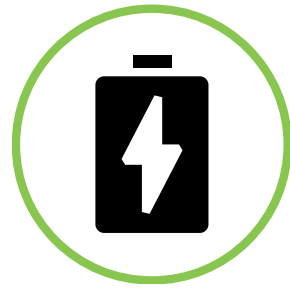
Longer Lasting Lithium Battery



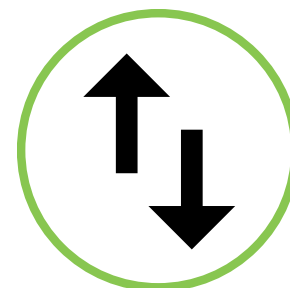
More powerful Pure Sine Wave Inverter



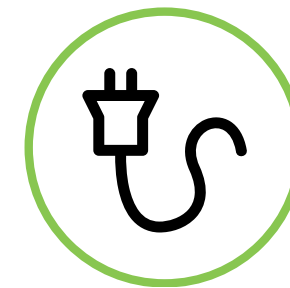
Power System for Home and Business



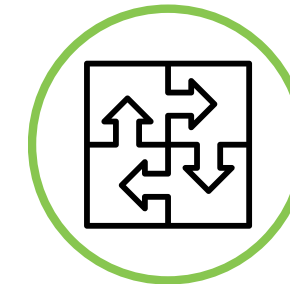
5.5 kWh Total Energy



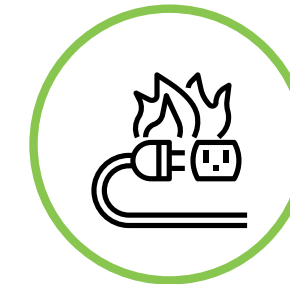
5600 VA / 5600W Inverter



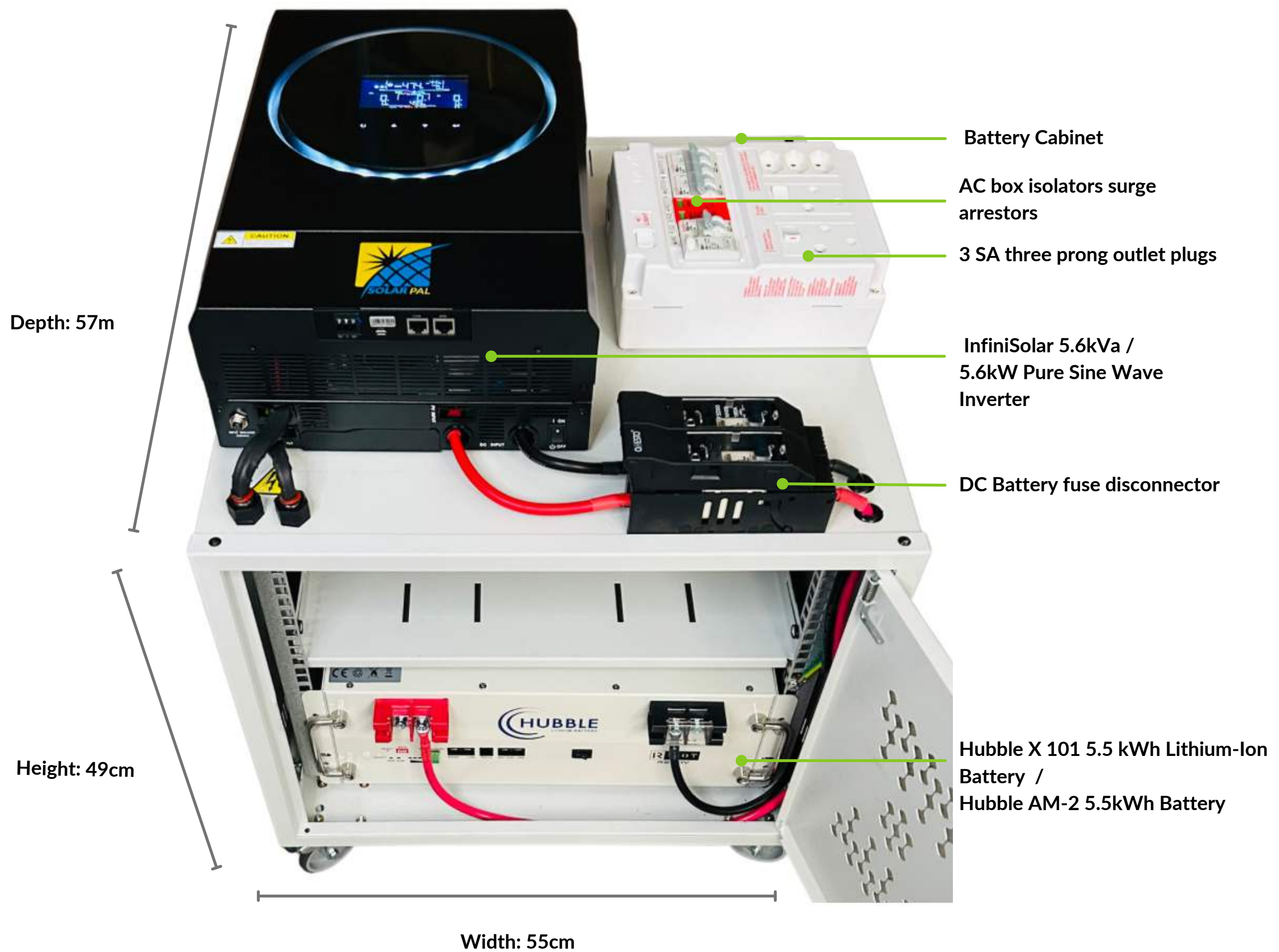
Three Outlet Plugs



Sleek integrated Battery Design



Built in short circuit protection and Overload Protection



INFINI V IV 5.6KW ON-GRID

MODEL	INFINISOLAR V IV 5.6 ON-GRID INVERTER
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	6000W
RATED OUTPUT POWER	5600W
MAXIMUM CHARGING POWER	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	24.3A
Power Factor	
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	450 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	24.3A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
INTERACE	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/Wifi/Dry-contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10 to 50°C