

# ALTIUS



## Hybrid Inverter



### 10 Year Warranty

Our 10 year warranty, provides peace of mind for your solar system.



### Battery Ready

Preconfigured for the Altius Home solar battery, to maximise your electricity savings and system performance.



### Back-Up Capability

Combined with our solar battery, experience uninterrupted solar power for your most important electrical devices during a black out.



### High Efficiency

Our solar inverters boast a high efficiency rate of 97.6%, maximising the energy output of your solar panels.



### IP65 Rated

IP65 rated solar inverter - built for safe and convenient exterior mounting on your home.



### Monitoring App

Connects to your WiFi so you can see what your solar energy system is doing anytime, anywhere with our all-in-one monitoring app.

### Protect Your Warranty

This unit must be installed by a registered, licensed installer as required by Government regulations.

### After Sales Support

1300 886 605

# Technical Specifications

## PV Input

Model Number	AS-4.6KW-HBI	AS-5KW-HBI	AS-5.5KW-HBI
Ppv Max (W)	6900	7500	8300
Vmax PV (Vdc) (absolute Max.)		550	
Min. Operating Voltage (Vdc)		100	
Start-up Voltage (Vdc)		100	
MPPT voltage range (Vdc)		80 - 500	
Vdc range @ full power (Vdc)	130 - 500	150 - 500	160 - 500
Isc PV (absolute Max.) (A)		26 x 2	
Max. PV input current (A)		18.5 x 2	
Number MPP trackers		2	
Number input strings		1/1	

## Battery (Charge/Discharge)

Battery type	Li-ion/Lead-acid		
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)		
Max charge/discharge Current (A)	80		
Max charge/discharge Power (W)	4600	4800	4800

## AC Grid (Input and Output)

Normal AC Voltage (V)	L/N/PE, 230 Vac		
Frequency (Hz)	50		
Normal AC Current (A)	20	21.8	24
Max. cont. input/output current (A)	22	23	26
Rated Power (W)	4600	5000	5500
Rated Apparent Power (VA)	4600	5000	5500
Max. cont. Power (W)	4600	5000	5500
Max. cont. Apparent Power (VA)	4600	5000	5500
Power factor	1.0 (- 0.8 - + 0.8 adjustable)		
Max. efficiency (%)	97.6		

## AC Load Output (Stand Alone)

Normal Voltage (V)	L/N/PE, 230 Vac		
Frequency (Hz)	50		
Normal Current (A)	20	21.8	24
Max. cont. current (A)	22	23	26
Max. cont. Power (W)	4600	5000	5500
Rated Apparent Power (VA)	4600	5000	5500
Max. cont. Apparent Power (VA)	4600	5000	5500
Power factor	1.0		

## Other

Ingress protection (IP)	IP65		
Protective class	Class 1		
Temperature (°C)	-25°C to +60°C (Derating 45°C)		
Inverter Isolation	Non-isolated (PV-AC-BAT)		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Maximum altitude (m)	2000		
Weight (kg)	17		
Dimensions (L x W x D) (mm)	513 x 370 x 192		
Firmware	V06		