

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-5KW-HBI	AS-5.5KW-HBI	AS-6KW-HBI
Ppv Max (W)	7500	8300	9000
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)	150 - 500	160 - 500	170 - 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)	4800	4800	4800

AC Grid (Input and Output)

Normal AC Voltage (V)		L/N/PE, 230 Vac	
Frequency (Hz)		50	
Normal AC Current (A)	21.8	24	26.1
Max. cont. input/output current (A)	23	26	28
Rated Power (W)	5000	5500	6000
Rated Apparent Power (VA)	5000	5500	6000
Max. cont. Power (W)	5000	5500	6000
Max. cont. Apparent Power (VA)	5000	5500	6000
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)	21.8	24	26.1
Max. cont. current (A)	23	26	28
Max. cont. Power (W)	5000	5500	6000
Rated Apparent Power (VA)	5000	5500	6000
Max. cont. Apparent Power (VA)	5000	5500	6000
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	
Demand Response Aggregator		Via Internet	
Internet connected		Via Wi-Fi	