

ATLAS SERIES

5Kw

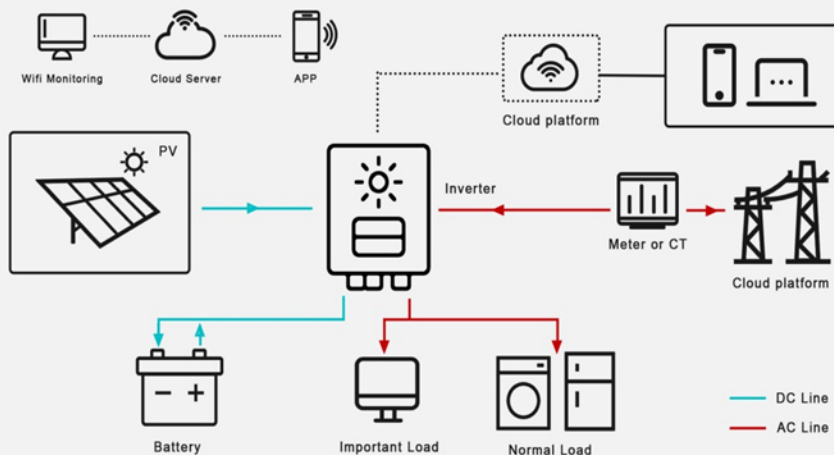
8Kw

10Kw

Hybrid Inverter Specs

ATLAS Energy Solutions is Very Proud to introduce our complete Line of Grid Tied , off Grid Hybrid inverters available in 5K,8K and 10K Configurations. These new inverters feature an all new LCD touch screen set up with Battery Back-up and or Generator Start for Home or Commercial Renewable Energy Systems .

The LCD Full Color Touch Screen Makes Setup a Breeze



ATLAS 5Kw-US 8Kw-US 10Kw-US

Technical Specifications

Input (PV)				
Max. power (kW)	7.5	9	12	13
Max. DC voltage (V)			500	
MPPT voltage range (V)			120~500	
Max.Input current of single MPPT (A)			12	
MPPT tracker/strings			4/1	
AC output				
Rated output power (kVA)	5	6	8	10
Max. output current (A)	24	28.8	38.3	47.8
Ac output voltage(V)		120/240(split phase), 208(2/3 phase),230 (single phase)		
Frequency (Hz)		50/60		
PF		0.8lagging-0.8leading		
THDi		< 3%		
AC output topology		Split phase, 2/3 phase, single phase		
Battery				
Battery voltage range (V)		40~58		
Max. charging voltage (V)		58		
Max. charge/discharge current (A)	120/120	135/135	190/190	210/210
Battery type		lithium /Lead-acid		
Communication interface		CAN/RS485		
EPS output				
Rated power (kVA)	5	6	8	10
Rated output voltage (V)		120/240 (split phase), 208 (2/3 phase),230 (single phase)		
Rated output current (A)	24	28.8	38.3	47.8
Rated frequency (Hz)		50/60		
Automatic switching time (ms)		<20		
THDu		< 2%		
Overload capacity		125%,60S/150%,1S		
General data				
Max. efficiency		>=98.2%		
North american efficiency		>=97.2%		
Ingress protection		IP65/NEMA 3R		
Noise emission (dB)	<25	<29	<29	<29
Operation temperature		-25°C ~ 60°C		
Cooling		Natural		
Relative humidity		0 ~95% (non-condensing)		
Altitude		2,000m (>2,000 Derating)		
Dimensions W *D *H (mm)		730*420*260		
Weight (kg)		44kg		
Isolation transformer		No		
Self-consumption (W)		<3		
Display and communication				
Display		LCD, touch screen		
Interface:RS485/Wifi/4G/ CAN/DRM		Yes		
Safety standard		UL1741SA all options, UL1699B, CSA 22.2		
EMC		FCC Part 15, Class B		
On-grid		IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I,II,III,NRS		