

ATLAS

Your Renewable Energy Solutions Partner

5Kw – 8Kw – 10Kw

Hybrid on/off – Grid Inverter



UL certification
48 Volt Low Voltage Batteries

110V/240V AC Split Phase
208V(2/3 phase), 230V AC Single phase

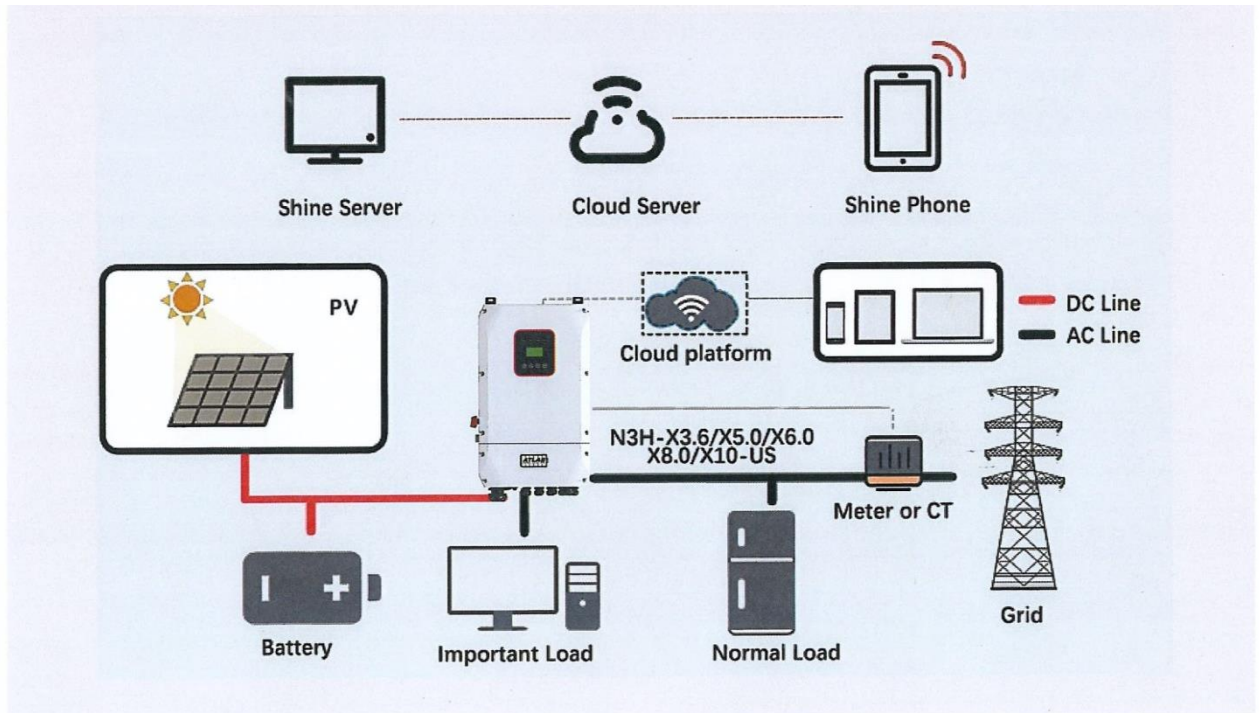
LCD Touch Screen Setup

Easy Install and Setup

RS 485 48V Communication

IP 65 Weather Rated

Remote Monitoring App.



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			