

Single Phase Hybrid / Off Grid Inverter

Argon 8500 & 11000



Models:

- 8.5kW-48-pV10000-TwinPL
- 11kW-48-pV11000-TwinPL



WiFi



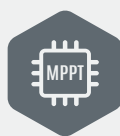
RGB Lights



Colored LCD



Dual Output



Dual MPPT



BMS



PV 60-500Vdc



PAL Upto 6 Units



Easy-to-install



Reliable



User-Friendly

- Pure sine wave solar inverter
- PV Input 500Vdc Max
- Built-in MPPT 120A/160A
- Compatible work with LiFePO4 battery via RS485
- Power factor 1.0
- Parallel operation upto 6 units

- Built in 2 MPPT
- Dual output for smart load management
- Built-in Wi-Fi for mobile monitoring
- Support multiple output priority: SBU, SUB, SUF
- Capable to work without battery

- Colored LCD with RGB lights
- Lithium battery activation function, by PV or Utility (BMS)
- EQ function to optimize battery performance and extend lifecycle
- Detachable dust cover for harsh environment

Technical Datasheet

KNOX SERIES	Argon 8500	Argon 11000
MODEL	8.5kW-48-pV10000-TwinPL	11kW-48-pV11000-TwinPL
Capacity	8.5KVA/8.5KW	11KVA/11KW
Twin AC Output Function	YES	
Maximum PV Input Power	10KW	11KW
Maximum Main Output Power	8.5KW	11KW
Maximum Second Output Power	5KW	5.5KW
Maximum Total Output Power	8.5KW	11KW
Parallel Capability	YES, upto 6	
Lithium Battery Activation	YES (By PV or Utility)	
Lithium Battery Communication	YES (RS485)	
Built-in WiFi	YES	
INPUT		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC (PC) / 90-280VAC (Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
OUTPUT		
Nominal Voltage	220/230/240VAC	
Frequency	50/60 Hz	
Waveform	Pure Sine wave	
Dual Outputs	YES	
Transfer Time	10ms (PC) / 20ms (Home Appliances)	
Peak Efficiency	94%	
Overload Protection	5s @ ≥140% load; 10s @ 100%–140% load	
Admissible Power Factor	0.6–1 (Inductive or capacitive)	
Surge Power	17000VA	22000VA
BATTERY		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
OverCharge Protection	63VDC	
Charging Method	CC/CV	
Max. Discharge Current	180A	220A
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Max.PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC–500VDC	
Max.PV Array Power	5000W*2	5500W*2
Max. Solar Input Current	27A*2	
Max. Solar Charge Current	120A	160A
Max. AC Charge Current	100A	120A
Max. Charge Current	140A	160A
PHYSICAL		
Dimensions, D x W x H(mm)	540x403x122	
Package Dimensions, D x W x H(mm)	637x495x214	
Communication Interface	RS232/RS485/DRY CONTACT	
LCD	Colorful Screen+RGB Light	
Net Weight (kgs)	14.5	14.8
ENVIRONMENT		
Operating Temperature Range	–10°C to 55°C	
Storage temperature	–15°C–60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Ingress Protection	IP21	