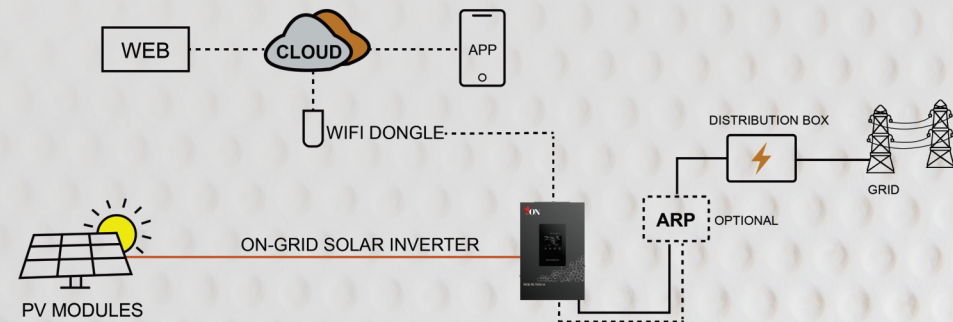




6.5KW 48V PV9500

6KW 24V PV9000

5KW 24V PV9000



### PRODUCT ADVANTAGES

- Supports 300% Surge Power
- 46% Increased MPPT Rated Power
- 25% increased Apparent power (S)
- 120A DC Maximum Charging current
- Enhanced safety with built in transformer
- Admissible power factor -0.8 ~ +0.8
- Built in BMS (Battery Management System)
- Online monitoring through WIFI
- Dual outputs for Smart load Management
- Colored LCD Design
- Soft start function
- Grid Feeding Option

## TECHNICAL SPECIFICATION

MODEL	PHOTON PRO PV9500-48	PHOTON PRO PV9000-24	PHOTON PRO PV9000-24
Rated Capacity	8120 VA / 6500 W	6250 VA / 6000 W	6250 VA / 5000 W
<b>PV INPUT</b>			
PV Maximum Input Power	9500 W	9000 W	9000 W
Max. PV Open Circuit Voltage	500 VDC		
MPPT Range Operating Voltage	60 – 450 VDC		
Max. Solar Input Current	28 A		
<b>BATTERY SPECIFICATION</b>			
Battery Type	Lithium and Lead-acid		
Nominal Battery Voltage	48 V (4*12 V)	24 V (4*6 V)	24 V (4*6 V)
<b>AC OUTPUT</b>			
Nominal Voltage (AC Input)	208 / 220 / 230 / 240 V; L + N + PE		
Voltage Range (AC Input)	90 – 280 ±3 (normal mode); 170 – 280 ±3 (UPS mode)		
Frequency (AC Input)	50 / 60 Hz (Auto Adaptive)		
<b>AC OUTPUT</b>			
Rated Capacity (AC Output)	8120 VA / 6500 W	6250 VA / 6000 W	6250 VA / 5000 W
Second Output Capacity	4150 VA / 4150 W		
Surge Power	16500 VA	15000 VA	15000 VA
Waveform	Pure Sine Wave		
Nominal Voltage (AC Output)	208 / 220 / 230 / 240 VAC		
Feed-in Grid Frequency Range	195-253VAC		
Nominal Frequency	50 / 60 Hz		
Feed-in Grid Frequency Range	49 ~ 51 Hz ±0.7%; 59 ~ 61 ±0.1%		
Transfer Time	10 ms UPS mode / 10 ms Appliance mode		
Peak Efficiency (PV to INV)	97.00%		
Peak Efficiency (Battery to INV)	94.50%		
Overload Protection	10min@102%<Load<120% 1min@120%<Load<150% 10s@150%<Load<200%		
Admissible Power Factor	-0.8~+0.8		
<b>CHARGER SPECIFICATION (SOLAR CHARGER &amp; AC CHARGER)</b>			
Charging Voltage	PV MODE: 54 V, settable: 52-56.5 V; CV MODE: 56.4 V, settable: 56-58 V		
Battery Over Voltage	61 V		
Charging Current	2 ~ 120 A		
Max. AC Charge Current	120 A		
Max. PV Charge Current	120 A		
Max. Charge Current (PV+AC)	120 A		
<b>PHYSICAL</b>			
Built-in Transfer	Yes		
Built-in Power Booster	Yes		
Dimensions (D × W × H mm)	119 × 338 × 539.1		
Net Weight (kg)	13.56		
Communication Interface	RS485 / RS232 / USB / Dry Contact		
<b>ENVIRONMENT</b>			
Ingress Protection	IP21		
Operating Temperature Range	-10 °C ~ 50 °C		
Storage Temperature	-15 °C ~ 60 °C		
Humidity	5% ~ 95% (Non-condensing)		