



# AF5K/15L-AIO

- Integrated inverter and battery
- Easy installation, plug and play design
- Dual MPPT design and multiple working modes
- LED Display, SOC, Battery state



System Schematic



Battery input parameters

Battery type	LFP
Nominal energy	14.33Kwh
Dimensions (width x height x thickness)	1225*485*237
Nominal voltage	51.2V
Battery voltage range	44.8~57.6V
Maximum charging and discharging current	100A

Model		AF5K/15L-AIO
Input	Input Sources	L+N+PE
	Rated Input Voltage	208/220/230/240VAC
	Voltage Range	154-264VAC±3V(APP Mode)185-264VAC±3V(UPS Mode)
	Frequency	50Hz/60Hz(Auto Adaptive)
Output	Rated Capacity	5000W
	Output Voltage	208/220/230/240VAC±5%
	Output Frequency	50/60Hz±0.1%
	Waveform	Pure Sine Wave
	Transfer Time (adjustable)	Computers(UPS Mode)10ms, Appliance(APP Mode)20ms
	Peak Power	10000VA
	Over Load Ability	Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load
Peak Efficiency (battery Mode)	>94%	
Battery	Battery Voltage	48Vdc
	Constant Charging Voltage(Adjustable)	56.4Vdc
	Floate Charging Voltage(Adjustable)	54Vdc
Chargers	PV Charging Mode	MPPT
	MAX.PV Input Power	5500W
	MPPT Tracking Range	120~500Vdc
	Best voltage	300~400V
	MAX.PV Input Voltage	500Vdc
	MAX.PV Charging Current	100A
	MAX.AC Charging Current	100A
	MAX.Charging Current	100A
Display	LCD Display	Display Running Mode/Loads/Input/Output etc.
Interface	RS232	5PIN/Pitch2.0mm, Baud Rate2400
	Communication Port	2×5PIN/Pitch2.54mm,Lithium Lattery BMS Communication Card, WifiCard,DryContact
Environments	Operating Temperature	0~40°C
	Humidity	20%~95%(Non-condensing)
	Storage Temperature	-15~60°C
	Altitude	Altitude Not Over 1000m,Derating over 1000m,Max 4000m, Refer to IEC62040
	Noise	≤50db