



AF-AIO SERIES

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





Lithium Battery Energy Storage System

Model		AF5K/5LAIO	AF5K/10LAIO	AF5K/10L-AIO-B	AF5K/15L-AIO
	Nominal capacity	100Ah	200Ah	200Ah	280Ah
	Normina energy	5.12KWh	10.24KWh	10.24Kwh	14.336Kwh
	Dimensions(LxWxH)	433x172x1037mm	485x237x1081mm	485x172x1425mm	485x236x1255mm
	Nonimal Voltage	51.2V			
	Battery voltage range	44.8~57.6V			
	Battery type	LFP			
	MAX. Charging / Discharge Current	100A			
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)			
	Fregency	50Hz/60Hz(Auto Adaptive)			
Output	Rated Capacity	5000W			
	Output Voltage	208/220/230/240VAC±5%			
	OutputFrequency	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.PVInput Power	5000W			
	MPPTTracking Range	120-500Vdc			
	Best voltage	300-400V			
	MAX.PV input Voltage	500vdc			
	MAX.PV Charging Current	18A			
	MAX.AC Charging Current	60A			
	MAx.Charging Current	100A			
Display	LCD Display	Display Running Mode/Loads/Input/Output etc.			
Interface	RS232	5PIN/Pitch2.0mm.Baud Rate2400			
	CommunicationPort	2x5PIN/Pitch2.54mm,Lithium Lattery BMS Communication Card,WifiCard.DryContact			
Environment	OperatingTemperature	0-40℃			
	Humidity	20%-95%(Non-condensing)			
	StorageTemperature	-15-60℃			
	Altitude	Altiude Not Over 1000m,Derating over 1000m,Max 4000m, Refer toIEC62040			
	Noise	<50db			