AL-S Solar Energy Storage System

600W/1200W/2200W/3500W/5000W/10000W

MAIN FEATURES

- Pure sine wave output
- LifePO4 battery with 10 years service life
- The mains input automatically turns on and activate the LifePO4 battery
- MPPT Controller greatly improving the charging efficiency more than 20%
- Overcharge protection and over discharge protection for a longer battery life
- Safe and reliable with intelligent exhaust fan control

Product Specifications

Model		AL-S600	AL-S1200	AL-S2200	AL-S3500	AL-S5000	AL-S10K
Inverter	Battery Voltage	12.8V	25.6V		51.2V		
	In-built Battery Specification	50AH/12.8V	50AH/25.6V	100AH/25.6V	100AH/51.2V	100AH/51.2V	200AH/51.2V
	Rated Power	600W	1200W	2200W	3500W	5000W	10000W
	Output Voltage	110/120/220/230/240VAC					220/230/240VAC
	Output Frequency	50/60Hz					
	Output Waveform	Pure Sine Wave					
	Input Voltage Range	72~138/145~275VAC		85~138/170~275VAC			170~275VAC
	Input Frequency	45~65Hz					
MPPT Charge	Maximum Photovoltaic Voltage	100V			≤150V		
	PV Input Range Voltage	18~100V	34~100V		65~150V		
	Rated Charge Current	30A				60A	
	Maximum Power	420Wp	840Wp		1650Wp	3400Wp	
	Voltage Of Floating Charge	14.2V	28.4V		56.8V		
	MPPT Efficiency	≥97%					
DC Output	Voltage Of High Voltage Protection	17V	34V		68V		
	Voltage Of High Voltage Recovery	15V	30V		60V		
	Voltage Of Low Voltage Recovery	13V	26V		52V		
	Voltage Of Low Voltage Protection	11.2V	22.4V		44.8V		
	5VDC USB Output Port	2 Units/MAX 2A					
	12VDC Output Port	2 Units/MAX 2A					
Other	Heat Dissipation/Cooling	Temperature Control By Intelligent Exhaust Fan					
	Ambient Temperature For Operation	0~40°C					-20~50°C
	Ambient Temperature For Storage	-25~55°C					
	Operation/Storage Conditions	0~90%(no condensation)					
	External Dimensions:D*W*H(mm)	460*182*397	485*202*406	540*229*464	577*350*644	627*405*664	780*447*724
	Packing Dimensions:D*W*H(mm)	527*267*470	552*277*477	570*310*535	665*450*825	715*505*845	875*545*922
	Net Weight (KG)	13	26	41.5	77	112	153
	Gross Weight (KG)	15	27.5	43	97	137	182