

AL Solar Energy Storage System

300W/500W/1000W/1500W



MAIN FEATURES

-  Pure sine wave output
-  Built in Gel battery
-  PV input 18~100VDC/34~100VDC
-  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-300	AL-500	AL-1000-12	AL-1000-24	AL-1500
Inverter	Battery Voltage	12V			24V	
	In-built Battery Specification	1*55AH/12V		1*100AH/12V	2*55AH/12V	2*100AH/12V
	Rated Power	300W	500W	1000W	1000W	1500W
	Output Voltage	110/120/220/230/240VAC				220/230VAC
	Output Frequency	50/60Hz				
	Output Waveform	Pure Sine Wave				
	Input Voltage	73~138/145~275VAC			95~125VAC	170~250VAC
	Charge Current	15A(MAX)				
Solar Input	Voltage Range	18~100V			34~100V	
	Rated Charge Current	30A				
	Maximum Power	420Wp			840Wp	
	Voltage Of Overcharge Protection	14.2V			28.4V	
	Voltage Of Overcharge Recovery	14V			28V	
	Voltage Of Floating Charge	13.7V			27.4V	
DC Output	Voltage Of High Voltage Protection	17V			34V	
	Voltage Of High Voltage Recovery	14.5V			29V	
	Voltage Of Low Voltage Recovery	12.5V			25V	
	Voltage Of Low Voltage Protection	11V			22V	
	5VDC USB Output Port	2 Units/MAX 2A				
	12VDC Output Port	2 DC ports + backboard 12V terminal block(MAX 8A)				
Starting Temperature Of The Exhaust Fan		>45°C				
Ambient Temperature For Operation		0~40°C				
Ambient Temperature For Storage		-25~55°C				
Operation/Storage Conditions		0~90%(no condensation)				
External Dimensions:D*W*H (mm)		343*225*443	423*260*453		513*310*493	
Packing Dimensions:D*W*H(mm)		420*290*490	520*370*520		610*420*550	
Net Weight (KG)		25	26.7	43	46	84
Gross Weight (KG)		25.6	26.8	45	47.6	88