

## Technical Parameters

Model: LS		AU10212/24/48 (102)	AU15212/24/48 (152)	AU20212/24/48 (202)	AU30224/48 (302)	AU40224/48 (402)	AU50248 (502)	AU60248 (602)
Rated Power		1000W	1500W	2000W	3000W	4000W	5000W	6000W
Peak Power(20ms)		3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA
Start Motor		1HP	1.5HP	2HP	3HP	3HP	4HP	4HP
Battery Voltage		12/24/48VDC			24/48VDC	24/48VDC	48VDC	
Size(L*W*Hmm)		500*300*140				530*335*150		
Package Size(L*W*Hmm)		565*395*225				605*430*235		
N.W.(kg)		12	13.5	18	20	22	24	26
G.W.(kg)(Carton Packing)		13.5	15	19.5	21.5	24	26	28
Installation Method		Wall-Mounted						
Input	DC Input Voltage Range	10.5-15VDC (Single battery voltage)						
	AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC (220VAC) / 180VAC~285VAC (230VAC) / 190VAC~295VAC (240VAC)						
	AC Input Frequency Range	45Hz~55Hz(50Hz) / 55Hz~65Hz(60Hz)						
	Max AC charging current	0~30A(Depending on the model)						
	AC charging method	Three-stage (constant current, constant voltage, floating charge)						
Output	Efficiency(Battery Mode)	≥85%						
	Output Voltage(Battery Mode)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2%						
	Output Frequency(Battery Mode)	50/60Hz±1%						
	Output Wave(Battery Mode)	Pure Sine Wave						
	Efficiency(AC Mode)	>99%						
	Output Voltage(AC Mode)	110VAC±10% / 120VAC±10% / 220VAC±10% / 230VAC±10% / 240VAC±10%						
	Output Frequency(AC Mode)	Tracking Automatically						
	Output waveform distortion(Battery Mode)	≤3% (Linear load)						
	No load loss(Battery Mode)	≤0.8% rated power						
	No load loss(AC Mode)	≤2% rated power( charger does not work in AC mode)						
No load loss(Energy saving Mode)	≤10W							
Battery Type	VRLA Battery	Charge Voltage :14.2V; Float Voltage:13.8V (Single battery voltage)						
	Customize battery	Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel)						
Protection	Battery undervoltage alarm	Factory default: 11V (Single battery voltage)						
	Battery undervoltage protection	Factory default: 10.5V (Single battery voltage)						
	Battery overvoltage alarm	Factory default: 15V (Single battery voltage)						
	Battery overvoltage protection	Factory default: 17V (Single battery voltage)						
	Battery overvoltage recovery voltage	Factory default: 14.5V (Single battery voltage)						
	Overload power protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)						
	Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)						
	Temperature protection	>90°C (Shut down output)						
Alarm	A	Normal working condition, buzzer has no alarm sound						
	B	Buzzer sounds 4 times per second when battery failure, voltage abnormality, overload protection						
	C	When the machine is turned on for the first time, the buzzer will prompt 5 when the machine is normal						
Inside Solar controller (Optional)	Charging Mode	PWM or MPPT						
	Charging current	10A~60A (PWM or MPPT)				10A~60A(PWM) / 10A~100A(MPPT)		
	PV Input Voltage Range	PWM: 15V-44V(12V System); 30V-44V(24V System); 60V-88V(48V System) MPPT: 15V-120V(12V System); 30V-120V(24V System); 60V-120V(48V System)						
	Max PV Input Voltage(Voc) (At the lowest temperature)	PWM: 50V(12V/24V System ); 100V(48V System) / MPPT: 150V						
	PV Array Maximum Power	12V System: 140W(10A)/280W(20A)/420W(30A)/560W(40A)/700W(50A)/840W(60A) /1120W(80A)/1400W(100A) ; 24V System: 280W(10A)/560W(20A)/840W(30A)/1120W(40A)/1400W(50A)/1680W(60A)/2240W(80A)/2800W(100A); 48V System: 560W(10A)/1120W(20A)/1680W(30A)/2240W(40A)/2800W(50A)/3360W(60A)/4480W(80A)/5600W(100A)						
	Standby loss	≤3W						
	Maximum conversion efficiency	>95%						
Working Mode		Battery First/AC First/Saving Energy Mode						
Transfer Time		≤4ms						
Display		LCD						
Thermal method		Cooling fan in intelligent control						
Communication		RS485/APP (WIFI monitoring or GPRS monitoring)						
Environment	Operating temperature	-10℃~40℃						
	Storage temperature	-15℃~60℃						
	Noise	≤55dB						
	Elevation	2000m (More than derating)						
	Humidity	0%~95% (No condensation)						
Warranty		1 year						

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.