

Lithium battery
Communication

Single Phase Wall Mounted Off-grid Inverter



Single phase
output



Pure Sine Wave



MPPT



Communication



Technical Parameters

PARAMETER				
Rated power	3200W	5500W	8000W	11000W
Standard voltage	24VDC	48 VDC		
Installation	Wall mount installation			
PV PARAMETER				
Working model	MPPT			
Rated solar input voltage	360VDC			
MPPT tracking voltage range	120-450V			
Max input voltage (VOC) at lowest temperature	500V			
Max input power	4000W	5500W	8000W	
Number of MPPT tracking paths	1 Path		2 Path	
INPUT				
DC input voltage range	21-30VDC	42-60VDC		
Rated mains power input voltage	220/230/240VAC			
Grid power input voltage range	170~280VAC(UPS model)/120~280VAC(inverter model)			
Grid input frequency range	40-55Hz(50Hz) 55-65Hz(6			
OUTPUT				
Inverter	Output efficiency	94%		
	Output voltage	220VAC±2%/230VAC±2%/240VAC±2%(Inverter model)		
	Output frequency	50Hz±0.5 or 60Hz±0.5(Inverter model)		
Grid	Output efficiency	≥99%		
	Output voltage range	Following input		
	Output frequency range	Following input		
Battery mode no-load loss		≤1%(At rated power)		
Grid mode no-load loss		≤0.5% Rated power(the charger of grid power doesn't work)		
BATTERY				
Battery type	Lead acid battey	Equalizing charging 13.8V Floating charging 13.7V (single battery voltage)		
	Customized battery	The parameter can be set according to customers' requirement (Use different types of battery by setting the panel)		
Max mains charging current		60A	80A	80A
Max solar charging current		100A	120A	150A
Max charging current(Grid+solar)		100A	120A	150A
Charging method		Three-stage (constant current, constant voltage, float charge)		
PERFORMANCE PARAMETERS				
Conversion time		≤4ms		
Cooling method		Intelligent cooling fan		
Working temperature		-10~40℃		
Storage temperature		-15~60℃		
Altitude		2000m (> 2000m altitude need derating)		
Humidity		0~95% (No condensation)		
Product Size		420*290*110mm	460*304*110mm	520*450*200mm
Package Size		486*370*198mm	526*384*198mm	580*510*260mm
Net weight		8.5kg	9.5kg	17kg
Gross weight		9.5kg	10.5kg	19kg

*5500W / 11000W has parallel Version

*LSHE low voltage battery series is matched to LSHE off-grid inverter series.