

Lithium battery
Communication

Single Phase Rack Mounted Off-grid Inverter

220V

Single phase
output



Pure Sine Wave

MPPT

MPPT



Communication

4U

Standard



Technical Parameters

PARAMETER			
Rated power	3200W	5500W	8000W
Standard voltage	24VDC	48 VDC	
Installation	Cabinet/rack 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	
Max solar charging current	100A	150A	
Max charging current(Grid+solar)	100A	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°C		
Storage temperature	-15~60°C		
Altitude	2000m (> 2000m altitude need derating)		
Humidity	0~95% (No condensation)		
Product Size	440*484*178mm	440*484*178mm	440*484*178mm
Package Size	555*500*235mm	555*500*235mm	555*500*235mm
Net weight	8.5kg	9.5kg	17kg
Gross weight	9.5kg	10.5kg	19kg

*5500W has parallel Version

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