

Wall-mount Hybrid Inverter



Single phase
output



Pure Sine Wave



MPPT



Communication



Product basic parameters

Rated power	3200W	5500W	6200W	8000W	11000W
Standard voltage	24VDC	48VDC			
Installation	Wall mount installation				

Solar 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	3200W	5500W	6200W	8000W	11000W
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(60Hz)	

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)	

Protected mode

Battery low voltage range	Battery low voltage protection value +0.5V (Single battery voltage)
Battery voltage protection	Factory default: 10.5V (Single battery voltage)
Battery over voltage alarm	Equal charging voltage +0.8V (Single battery voltage)
Battery over voltage protection	Factory default: 17V (Single battery voltage)
Battery over voltage recovery Voltage	Battery over voltage protection value -1V (Single battery voltage)
Overload /short circuit protection	Automatic protection (battery mode), circuit breaker or fuse (Grid mode)
Temperature protection	≥90°C off output

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	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