



Wall-mounted Off-grid Solar Inverter



Pure Sine Wave



MPPT



RS485/232
CAN



Wall-mounted

Model	ASI-PW3200	ASI-PW5000
Rated power	3200W	5000W
Standard voltage	24VDC	48VDC
Installation	Wall mount installation	
PV PARAMETER		
Working model	MPPT	
Rated PV input voltage	360VDC	
MPPT tracking voltage range	120-450V	
Max input voltage (VOC) at lowest temperature	500V	
Max input power	4000W	6000W
Number of MPPT tracking paths	1 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	
Max PV charging current	100A	
Max charging current(Grid+PV)	100A	
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
Package Size	486*370*198mm	526*384*198mm
Net weight	8.5kg	9.5kg
Gross weight	9.5kg	10.5kg