

LOW FREQUENCY INVERTER (AN-WSPI)



Key Features

- Pure sine wave output
- Optional MPPT/PWM solar charge controller 60A/120A
- MPPT Efficiency max 98%
- DC Start & Automatic Self-Diagnostic Function
- High Efficiency Design & "Power Saving Mode" to Conserve Energy
- Auto restart when Ac in recovering
- Smart battery charger design for optimized battery performance
- Selectable charging current based on applications
- AC input/DC input/Solar input optional priority
- Auto Restart Voltage

Model	AN-WSPI-3000	AN-WSPI-5000	AN-WSPI-8000	AN-WSPI-10000
Input Voltage(DC)	24V	48V	48V	48V
Nominal Voltage	220VAC (Standard)			
Voltage Range	154-264VAC ±3 (Normal Mode); 185-264VAC±3V(UPS Model)			
Frequency	50/60Hz±5%			
Power Factor	0.8			
Rated Power	3000W	5000W	8000W	10000W
Output Voltage(AC)	The output voltage under AC is the same as the input voltage			
Output Frequency (AC)	The output voltage frequency under AC is the same as the input frequency			
Output Voltage(AC)	220VAC±10%			
Output Frequency (DC)	50/60Hz±1%			
Waveform	Pure Sine Wave			
Battery Type	External lead acid battery or water battery or lithium battery			
Battery voltage	24/48VDC	48VDC	48VDC	48VDC
Battery Charging Voltage	27.4/54.8VDC	54.8VDC	54.8VDC	54.8VDC
Maximum pv array power	1600W 3200W	3200W 6400W	6400W	6400W
PV Input Voltage Range	12V: MPPT 15V-150VDC 24V: MPPT 30V-150VDC 48V: MPPT 60V-150VDC			
Maximum photovoltaic display open circuit voltage	12V: MPPT 150VDC 24V: MPPT 150VDC 48V: MPPT 150VDC			
Maximum solar charging current	60A	120A		
Maximum AC charging current	38A/19A	29A	48A	60A
Transfer Time	≤10ms(UPS mode)/≤20ms (INV mode)			
Load peak ratio	(MAX)3:1			
Protections	Overload, short circuit, high&low voltage,battery reverse protection			
LCD indicator status	AC input voltage, AC input frequency, PV voltage, PV current , Output Voltage, Output Frequency, Battery voltage, Load current etc.			
Audible alarm	Low battery protection-continuous beeping			
	Overload-continuous beeping			
	Overload less than 130%-1 second beeping and shutdown the output after 30 seconds;			
	Overload more than 150%,shutdown the output after 300ms			
Operation Temperature	Malfunction-continuous beeping			
	-10℃~50℃			
Storage Temperature	-15℃~45℃			
Humidity	-10℃~90℃ Non condensing			
Accoustic Noise(db)	< 45dB			