



FNS 600W Hybrid Solar Power System with internal battery



Product Features

- * continuous, standard and stable pure sine wave output waveform
- * Integrated with inverter, solar controller inside, adopts 1 CPU control
- * PV priority mode or AC priority model is identified and switched automatically
- * Choose the charging current based on the configured capacity of the battery
- * Auto City Power switch function, self-recovery and unattended operation, All-around protection
- * The system will act as UPS(charge from Grid electricity and automatic supply power when Grid cut off
- * Multifunction LCD display

Model No.	XT-GP600		
Specification	DC12V-AC220V,600W		
Type	Specifications	Parameters	Quantity
Solar Panel	The Maximum Power Of Solar Panels (W)	18V 150W, 3PCS, 3 in parallel	3
	The Short Circuit Current Of Solar Panels (A)	9.08	
	The Maximum Power Current Of Solar Panels (A)	8.33	
	The Open Circuit voltage of Solar Panels (V)	22.5	
	The Maximum Power Voltage Of Solar Panels (V)	18	
Battery	Battery Type	GEL	1
	Capacity	12V/100AH*1	
	Installation	Internal	
Solar Inverter with Controller	Solar panel input range	DC12V-DC25V	1
	The rated voltage of solar input	DC18V	
	Efficiency	96%	
	Output current	30A	
	Rated Output Power	600W	
	No-load Loss	≤10W	
	Battery Input Voltage Range	DC10V-DC15V	
	Output Voltage in inverter mode	220VAC±10%	
	Output Frequency in inverter mode	50Hz±0.5	
	Output Waveform:	Pure Sine Wave	
	Peak power:	3 times of rated power for 1second	
	Working Efficiency	≥85%	
	Switching Time(ms)	≤4 ms	
	Input Voltage Range in AC mode	AC145±5V- AC275±5V	
	Output Voltage in AC mode	220VAC±10%	
	Frequency in AC mode	50Hz±5Hz/60Hz±5Hz	
	AC Charging current (MAX)	15A	
Floating charge voltage	13.8VDC±0.3V		
Over-charge voltage	14.4V		
Charging time	8h ≥90%		
Protection Functions:			
1. DC over-voltage protection/over-voltage self-recovery			
2. DC low-voltage protection/low-voltage self-recovery			
3. Overheat/short-current/overload protection			
Accessories	15M 4MM ² PV cables with MC4 connector	connect solar panel to machine	2
	MC4 connector 2-1	use between panel	2
Certification	Compliant with European Standards(CE)		
	IEC60950		
	ROHS compliant		



FNS 1KW Hybrid Solar Power System with internal battery



Product Features

- * continuous, standard and stable pure sine wave output waveform
- * Integrated with inverter, solar controller inside, adopts 1 CPU control
- * PV priority mode or AC priority model is identified and switched automatically
- * Choose the charging current based on the configured capacity of the battery
- * Auto City Power switch function, self-recovery and unattended operation, All-around protection
- * The system will act as UPS(charge from Grid electricity and automatic supply power when Grid cut off
- * Multifunction LCD display

Model No.	XT-GP1000		
Specification	DC24V-AC220V,1000W		
Type	Specifications	Parameters	Quantity
Solar Panel	The Maximum Power Of Solar Panels (W)	30V 275W, 2PCS	2
	The Short Circuit Current Of Solar Panels (A)	8.43	
	The Maximum Power Current Of Solar Panels (A)	7.89	
	The Open Circuit voltage of Solar Panels (V)	37.7	
	The Maximum Power Voltage Of Solar Panels (V)	31.7	
Battery	Battery Type	GEL	2
	Capacity	12V/100AH*2	
	Installation	Internal	
Solar Inverter with Controller	Solar panel input range	DC30V-DC50V	1
	The rated voltage of solar input	DC36V	
	Efficiency	96%	
	Output current	30A	
	Rated Output Power	1000W	
	No-load Loss	≤10W	
	Battery Input Voltage Range	DC20V-DC31V	
	Output Voltage in inverter mode	220VAC±10%	
	Output Frequency in inverter mode	50Hz±0.5	
	Output Waveform:	Pure Sine Wave	
	Peak power:	3 times of rated power for 1second	
	Working Efficiency	≥85%	
	Switching Time(ms)	≤4 ms	
	Input Voltage Range in AC mode	AC145±5V- AC275±5V	
	Output Voltage in AC mode	220VAC±10%	
	Frequency in AC mode	50Hz±5Hz/60Hz±5Hz	
	AC Charging current (MAX)	15A	
Floating charge voltage	27.6VDC±0.3V		
Over-charge voltage	28.2V		
Charing time	8h ≥90%		
	Protection Functions: 1. DC over-voltage protection/over-voltage self-revcovery 2. DC low-voltage protection/low-voltage self-revcovery 3. Overheat/short-current/overload protection		
Accessories	15M 4MM ² PV cables with MC4 connector	connect solar panel to machine	2
	MC4 connector 2-1	use between panel	1
Certification	Compliant with European Standards(CE)		
	IEC60950		
	ROHS compliant		