MULTIFIT

Hybrid Inverter with PWM Solar Controller

Product Characteristic

High Efficiency/Energy Saving

Low self-Consumption below 1.2A.It can reach zero at energy saving mode.

Make sure the load capacity is above 200W.or the inverter can not be restarted automatically

Leading energy saving technology

With the AVR function.AC voltage fluctuated is within ±5%

Pure sine wave

Extreme overload capacity and super load capacity

Working Appliance:Air-conditioners.refrigerators.water pumps.TV.Light.fans and other household appliances and office appliances etc.

Durable LF transformer technology design.it is suitable for the poor working conditions or where the grid power is not stable

DC reverse polarity protection

Performance Characteristic

CPU Technology control

Large charging current. up to 70Amp.

Intelligent LED display:Grid power.battery.AC output.Fault.Saving.Low voltage.Charging. Charging current.Battery capacity.

Intelligent battery management for maximum battery life

Automatically switch between the grid and inverter mode

Transfer time is below 4 ms if the grid power are cutted off

220V/110V AC 50/60Hz is optional

It can work with the generator

Intelligent fan control mode.The fan work at Temperature ≥30℃.the inverter will protect by itself at temperature ≥100℃

LCD Display Data

Input/Output voltage	Output Power	Battery Voltage	Charge current	Input Frequency	Charge current setting
Language Version Chinese/English/French/Russian	Discharging Protection Voltage Setting	Battery Capacity setting	Battery type setting	Solar Prior Grid prior setting	Energy saving

Communication Data

Current	Rated power of load	Input/output voltage	Frequency
Battery capacity	Temperature	Remote control operation	Record of history data

Technical Data SunINVP

AC output Load	SunINVP 500W	SunINVP 800W	SunINVP 1000W
Nominal AC voltage Optional 220V/120V	220V/200-240V 120V/105V-132V	220V/200-240V 120V/105V-132V	220V/200-240V 120V/105V-132V
Nominal AC frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Continuous AC power for 3 hours 25℃	500W	800W	1050W
Continuous AC power 25℃	500W	800W	1000W
Nominal AC current/ Max.AC current(peak)	2.28A/6.81A 1ms 4.15A/12.5A 1ms	3.63A/10.9A 1ms 6.66A/20A 1ms	4.55A/13.63A 1ms 8.34A/24.9A 1ms
THD output voltage	≤3%	≤3%	≤3%
Power Factor	1.0	1.0	1.0
AC input（generator or grid）			
AC input voltage/range	220V/165-270V 120V/105V-132V	220V/165-270V 120V/105V-132V	220V/165-270V 120V/105V-132V
AC input frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Solar charge controller			
Rated Power	600W	960W	1200W
PV Charge Voltage	12V/24V/48V	12V/24V/48V	12V/24V/48V
PV Charge Current	50A/25A/15A	80A/40A/20A	100A/50A/25A
Battery DC input			
Battery voltage/range Optional	12V/10-16V 24V/20-32V 48V/40-64V	12V/10-16V 24V/20-32V 48V/40-64V	12V/10-16V 24V/20-32V 48V/40-64V
Max.battery charging current/continuous charging current at 25℃	30A/10-30A	30A/10-30A	30A/10-30A
Battery type/Battery Capacity	Lead acid 100-1000Ah	Lead acid 100-1000Ah	Lead acid 100-1000Ah
Charge control mode	3 stage	3 stage	3 stage
Efficiency/Self-consumption			
Max.efficiency	>90%	>90%	>90%
Self-consumption with no load	0.5A	0.6A	12W
Self-consumption with no load /standby/for LCD type only	0.1A	0.1A	5W
Full intellective protection	Over voltage/over charge/AC short circuit/overload/battery discharge voltage/battery over voltage/overtemperature/over current/overheat protection/ dc polarity label		
Transfer time	≤ 4ms		
Dimenstion(L×W×H)mm	350×160×290mm	350×160×290mm	350×160×290mm
Net Weight KG	15	17	19
Operating temperature range	0℃ ~45℃	0℃ ~40℃	0℃ ~45℃
Degree of protection according to IEC60529	IP20	IP20	IP20
Noise emission typical	≤30dB (1M)	≤30dB (1M)	≤30dB (1M)
Permissible value for relative humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%
Accessories			
DC terminal	Anderson connector	Anderson connector	Anderson connector
AC terminal	Europe terminal	Europe terminal	Europe terminal
Warranty	2year	2year	2year
Certificate	CE/ISO9001	CE/ISO9001	CE/ISO9001
Instruction Manual	yes	yes	yes
Optional Function			
Battery Cable	Optional	Optional	Optional
Interface USB/RS232	Optional	Optional	Optional
SNMP Card	Optional	Optional	Optional
Software CD	Optional	Optional	Optional
Internet monitor	Optional	Optional	Optional
Remoted control	Optional	Optional	Optional
DC reverse polarity protection	Optional	Optional	Optional
Automatically restart after cut off	Optional	Optional	Optional
Split phase 220V/110V+-5%:output	Optional	Optional	Optional
Alarm at inverter mode/silence	Optional	Optional	Optional
LCD Display	Optional	Optional	Optional

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Technical Data SUNINVP

AC output Load	SunInvp 1500W	SunInvp 2000W
Nominal AC voltage Optional 220V/120V	220V/200-240V 120V/105V-132V	220V/200-240V 120V/105V-132V
Nominal AC frequency	50Hz/60Hz	50Hz/60Hz
Continuous AC power for 3 hours 25℃	1500W	2100W
Continuous AC power 25℃	1500W	2000W
Nominal AC current/ Max.AC current(peak)	6.85A/20.45A 1ms 12.50A/37.55A 1ms	9.10A/27.28 1ms 16.67A/50A 1ms
THD output voltage	≤3%	≤3%
Power Factor	1.0	1.0
AC input（generator or grid）		
AC input voltage/range	220V/165-270V 120V/105V-132V	220V/165-270V 120V/105V-132V
AC input frequency	50Hz/60Hz	50Hz/60Hz
Solar charge controller		
Rated Power	1440W	1920W
PV Charge current	120A /60A / 30A	80A /40A
PV Charge Voltage	12V/24V/48V	24V/48V
Battery DC input		
Battery voltage/range Optional	12V/10-16V 24V/20-32V 48V/40-64V	24V/20-32V 48V/40-64V
Max.battery charging current/continuous charging current at 25℃	30A/10-30A	30A/10-30A
Battery type/Battery Capacity	Lead acid 100-1000Ah	Lead acid 100-1000Ah
Charge control mode	3 stage	3 stage
Efficiency/Self-consumption		
Max.efficiency	>90%	>90%
Self-consumption with no load	15W	20W
Self-consumption with no load /standby/for LCD type only	5W	5W
Full intellective protection	Over voltage/over charge/AC short circuit/overload/battery discharge voltage/battery over voltage/overtemperature/over current/overheat protection/dcpolarity label	
Transfer time	≤ 4ms	≤ 4ms
Dimenstion(L×W×H)	440×305×200	440×305×200
Net Weight KG	25	27
Operating temperature range	0℃ ~45℃	0℃ ~45℃
Degree of protection according to IEC60529	IP20	IP20
Noise emission typical	≤30dB (1M)	≤30dB (1M)
Permissible value for relative humidity	0% ~ 95%	0% ~ 95%
Accessories		
DC terminal	Anderson connector	Anderson connector
AC terminal	Europe terminal	Europe terminal
Warranty	2year	2year
Certificate	CE/ISO9001	CE/ISO9001
Instruction Manual	yes	yes
Optional Function		
Battery Cable	Optional	Optional
Interface USB/RS232	Optional	Optional
SNMP Card	Optional	Optional
Software CD	Optional	Optional
Internet monitor	Optional	Optional
Remoted control	Optional	Optional
DC reverse polarity protection	Optional	Optional
Automatically restart after cut off	Optional	Optional
Split phase 220V/110V+-5%:output	Optional	Optional
Alarm at inverter mode/silence	Optional	Optional
LCD Display	Optional	Optional

Technical Data SUNINVP

AC output Load	SunINVP 3000W	SunINVP 4000W
Nominal AC voltage Optional 220V/120V	220V/200-240V 120V/105V-132V	220V/200-240V 120V/105V-132V
Nominal AC frequency	50Hz/60Hz	50Hz/60Hz
Continuous AC power for 3 hours 25℃	3000W	4200W
Continuous AC power 25℃	3000W	4000W
Nominal AC current/ Max.AC current(peak)	13.64A/40.91A 1ms 25.0A/75.0A 1ms	18.55A/54.63A 1ms 33.33A/99.99A 1ms
THD output voltage	≤3%	≤3%
Power Factor	1.0	1.0
AC input（generator or grid）		
AC input voltage/range	220V/165-270V 120V/105V-132V	220V/165-270V 120V/105V-132V
AC input frequency	50Hz/60Hz	50Hz/60Hz
Solar charge controller		
Rated Power	2880W	2880W
PV Charge current	48V	48V
PV Charge Voltage	60A	60A
Battery DC input		
Battery voltage/range Optional	12V/10-16V 24V/20-32V 48V/40-64V	24V/20-32V 48V/40-64V
Max.battery charging current/continuous charging current at 25℃	30A/10-30A/50A	30A/10-30A/50A
Battery type/Battery Capacity	Lead acid 100-1000Ah	Lead acid 100-1000Ah
Charge control mode	3 stage	3 stage
Efficiency/Self-consumption		
Max.efficiency	>90%	>90%
Self-consumption with no load	35W	42W
Self-consumption with no load /standby/for LCD type only	5W	5W
Full intellective protection	Over voltage/over charge/AC short circuit/overload/battery discharge voltage/battery over voltage/overtemperature/over current/overheat protection/ dc polarity label	
Transfer time	≤ 4ms	
Dimenstion(L×W×H)mm	440×305×200	440×305×200
Net Weight KG	33	35
Operating temperature range	20℃ ~45℃	20℃ ~40℃
Degree of protection according to IEC60529	IP20	IP20
Noise emission typical	≤30dB (1M)	≤30dB (1M)
Permissible value for relative humidity	0% ~ 95%	0% ~ 95%
DC terminal	Anderson connector	Anderson connector
AC terminal	Europe terminal	Europe terminal
Warranty	2year	2year
Certificate	CE/ISO9001	CE/ISO9001
Instruction Manual	yes	yes
Optional Function		
Battery Cable	Optional	Optional
Interface USB/RS232	Optional	Optional
SNMP Card	Optional	Optional
Software CD	Optional	Optional
Internet monitor	Optional	Optional
Remoted control	Optional	Optional
DC reverse polarity protection	Optional	Optional
Automatically restart after cut off	Optional	Optional
Split phase 220V/110V+-5%:output	Optional	Optional
Alarm at inverter mode/silence	Optional	Optional
LCD Display	Optional	Optional

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