

Intelligent

APPLICATION

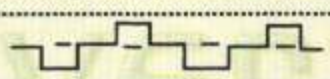
EP-75

- *Laptop Computers
- *Recharge Camcorder Batteries
- *Fax Machine

- *Recharge Power Tools
- *Lamps Up To 75 Watts
- *TV Game



SPECIFICATION

ITEM	EP-75	
OUTPUT POWER	CONTINUOUS POWER 75W	SURGE POWER 150W
STANDBY CURRENT	DC 12V < 0.21A	DC 24V < 0.15A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	90%	
OUTPUT REGULATION	+5% / -8%	
OUTPUT FREQUENCY	50Hz or 55Hz or 60Hz	
COOLING	BY AIR CONVECTION	
PROTECTIONS : OUTPUT SHORT	BY FUSE	
BATTERY POLARITY REVERSE	BY FUSE	
OVER HEATING	> 60 ± 5°C LOWER OUTPUT VOLTAGE	
OVER LOAD	LOWER OUTPUT VOLTAGE	
LOW BATTERY SHUT DOWN	DC 12V < 8.5V ± 0.5V	DC 24V < 19V ± 0.8V
FUSE	DC 12V : 10A * 1PC	DC 24V : 5A * 1PC
AC OUTLET	1 AC OUTLET	
DIMENSION (L*W*H)	(U) 105*73*45mm	(E) 105*73*73mm
NET WEIGHT	(U) 0.37Kg	(E) 0.47Kg

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APPLICATION

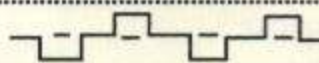
SP-100

*Laptop Computers Recharge
*Recharge Camcorder Batteries
*Fax Machine

*Recharge Power Tools
*Lamps Up To 100 Watts
*TV Game



SPECIFICATION

ITEM	SP-100	
OUTPUT POWER	CONTINUOUS POWER 100W	SURGE POWER 300W
STANDBY CURRENT	DC 12V < 0.21A	DC 24V < 0.15A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	>90%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	BY AIR CONVECTION	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM	> 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 100W PRE-ALARM	> 120W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 15A * 1PCS	DC 24V : 10A * 1PCS
AC OUTLET	1 AC OUTLET	
DIMENSION (L*W*H)	(U) 120*73*45mm	(E) 120*73*73mm
NET WEIGHT	(U) 0.45Kg	(E) 0.55Kg

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APPLICATION

SP-150

- *Laptop Computers Recharge
- *Recharge Camcorder Batteries
- *Fax Machine
- *Power Tools
- *Lamps Up To 150 Watts
- *TV Game



SPECIFICATION

ITEM	SP-150	
OUTPUT POWER	CONTINUOUS POWER 150W	SURGE POWER 450W
STANDBY CURRENT	DC 12V < 0.21A	DC 24V < 0.15A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	>90%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	BY AIR CONVECTION	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM	> 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 150W PRE-ALARM	> 160W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 15A * 1PCS	DC 24V : 10A * 1PCS
AC OUTLET	1 AC OUTLET	
DIMENSION (L*W*H)	(U) 120*73*45mm	(E) 120*73*73mm
NET WEIGHT	(U) 0.45Kg	(E) 0.55Kg

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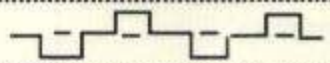
APPLICATION

SP-300

- *13" Color TV/VCR Combination
- *Recharge Power Tools
- *Lamps Up To 300 Watts
- *TV Game
- *Laptop Computers
- *Recharge Camcorder Batteries
- *Fax Machine



SPECIFICATION

ITEM	SP-300	
OUTPUT POWER	CONTINUOUS POWER 300W	SURGE POWER 900W
STANDBY CURRENT	DC 12V < 0.28A	DC 24V < 0.18A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 90%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR	
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 350W PRE-ALARM	> 400W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 35A * 1PCS	DC 24V : 20A * 1PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
DIMENSION (L*W*H)	155*73*73mm	
NET WEIGHT	0.9Kg	

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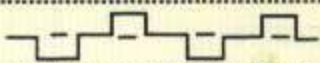
APPLICATION

SP-400

- *Laptop Computers
- *Recharge Camcorder Batteries
- *19" Color TV/VCR Combination
- *100 Watt Halogen Worklight
- *Fax Machine
- *Recharge Power Tools
- *Lamps Up To 400 Watts
- *Recharge Cellular Phone Batteries
- *Electronic Fan



SPECIFICATION

ITEM	SP-400	
OUTPUT POWER	CONTINUOUS POWER 400W	SURGE POWER 1200W
STANDBY CURRENT	DC 12V < 0.3A	DC 24V < 0.2A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
* INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
* OUTPUT REGULATION	± 5% INTELLIGENT AVR	
* OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
* COOLING	AUTO-OPERATION FAN	
* OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
* LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
* OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
* OVER LOAD	> 450W PRE-ALARM	> 500W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 40A * 1PCS	DC 24V : 35A * 1PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
DIMENSION (L*W*H)	180*73*73mm	
NET WEIGHT	1Kg	

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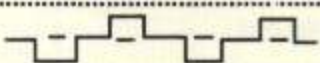
APPLICATION

SP-600

- *Laptop Computers
- *Recharge Camcorder Batteries
- *21" Color TV/VCR Combination
- *Blenders
- *Fax Machine
- *Recharge Power Tools
- *Lamps Up To 600 Watts
- *Recharge Cellular Phone Batteries
- *Power Drills



SPECIFICATION

ITEM	SP-600	
OUTPUT POWER	CONTINUOUS POWER 600W	SURGE POWER 1500W
STANDBY CURRENT	DC 12V < 0.5A	DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR	
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 650W PRE-ALARM	> 700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 3PCS	DC 24V : 15A * 3PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
DIMENSION (L*W*H)	200*173*60mm	
NET WEIGHT	2Kg	

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SP-800

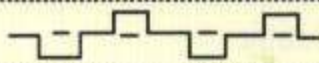
APPLICATION

- *Recharge Power Tools
- *Lamps Up To 800 Watts
- *Recharge Cellular Phone Batteries
- *Small Refrigerators
- *Portable Vacuums

- *Recharge Camcorder Batteries
- *26" Color TV/VCR Combination
- *Blenders
- *Belt Sander
- *Oven



SPECIFICATION

ITEM	SP-800	
OUTPUT POWER	CONTINUOUS POWER 800W	SURGE POWER 2000W
STANDBY CURRENT	DC 12V < 0.6A	DC 24V < 0.4A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
* INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
* OUTPUT REGULATION	± 5% INTELLIGENT AVR	
* OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
* COOLING	AUTO-OPERATION FAN	
* OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
* LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
* OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
* OVER LOAD	> 850W PRE-ALARM	> 950W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 4PCS	DC 24V : 15A * 4PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
DIMENSION (L*W*H)	280*173*65mm	
NET WEIGHT	2.6Kg	

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APPLICATION

SP-1000

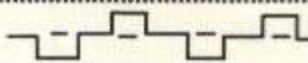
- *Laptop Computers
- *Recharge Camcorder Batteries
- *Up To 32" Color TV/VCR Combination
- *Recharge Cellular Phone Batteries
- *Blender
- *Recharge Power Tools
- *Lamps Up To 1000 Watts
- *Oven
- *Refrigerators
- *Power Saws

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-1000
OUTPUT POWER	CONTINUOUS POWER 1000W SURGE POWER 2400W
STANDBY CURRENT	DC 12V < 0.4A DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V
OUTPUT WAVEFORM	Modified Sine Wave 
EFFICIENCY	> 85%
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.
※ COOLING	AUTO-OPERATION FAN
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM < 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM > 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 1100W PRE-ALARM > 1200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE
FUSE	DC 12V : 20A * 9PCS DC 24V : 10A * 9PCS
AC OUTLET	2 AC OUTLETS
DIMENSION (L*W*H)	300*195*80mm
NET WEIGHT	3.1Kg

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APPLICATION

SP-1200

- *Laptop Computers
- *Recharge Camcorder Batteries
- *Up To 32" Color TV/VCR Combination
- *Blender
- *Refrigerators

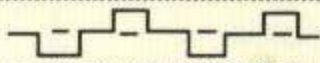
- *Recharge Power Tools
- *Lamps Up To 1200 Watts
- *Recharge Cellular Phone Ba
- *Oven
- *Power Saws

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-1200
OUTPUT POWER	CONTINUOUS POWER 1200W SURGE POWER 2800W
STANDBY CURRENT	DC 12V < 0.4A DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V
OUTPUT WAVEFORM	Modified Sine Wave 
EFFICIENCY	> 85%
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.
※ COOLING	AUTO-OPERATION FAN
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM < 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM > 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 1200W PRE-ALARM > 1300W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE
FUSE	DC 12V : 20A * 9PCS DC 24V : 10A * 9PCS
AC OUTLET	2 AC OUTLETS
DIMENSION (L*W*H)	300*195*80mm
NET WEIGHT	3.1Kg

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APPLICATION

SP-1500

- *Laptop Computers
- *Recharge Camcorder Batteries
- *Up To 32" Color TV/VCR Combination
- *Recharge Cellular Phone Batteries
- *Blender
- *Recharge Power Tools
- *Lamps Up To 1500 Watts
- *Refrigerators
- *Power Saws
- *Oven

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-1500	
OUTPUT POWER	CONTINUOUS POWER 1500W	SURGE POWER 3000W
STANDBY CURRENT	DC 12V < 0.4A	DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 1500W PRE-ALARM	> 1700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 35A * 8PCS	DC 24V : 20A * 8PCS
AC OUTLET	2 AC OUTLETS	
DIMENSION (L*W*H)	360*195*80mm	
NET WEIGHT	3.5Kg	

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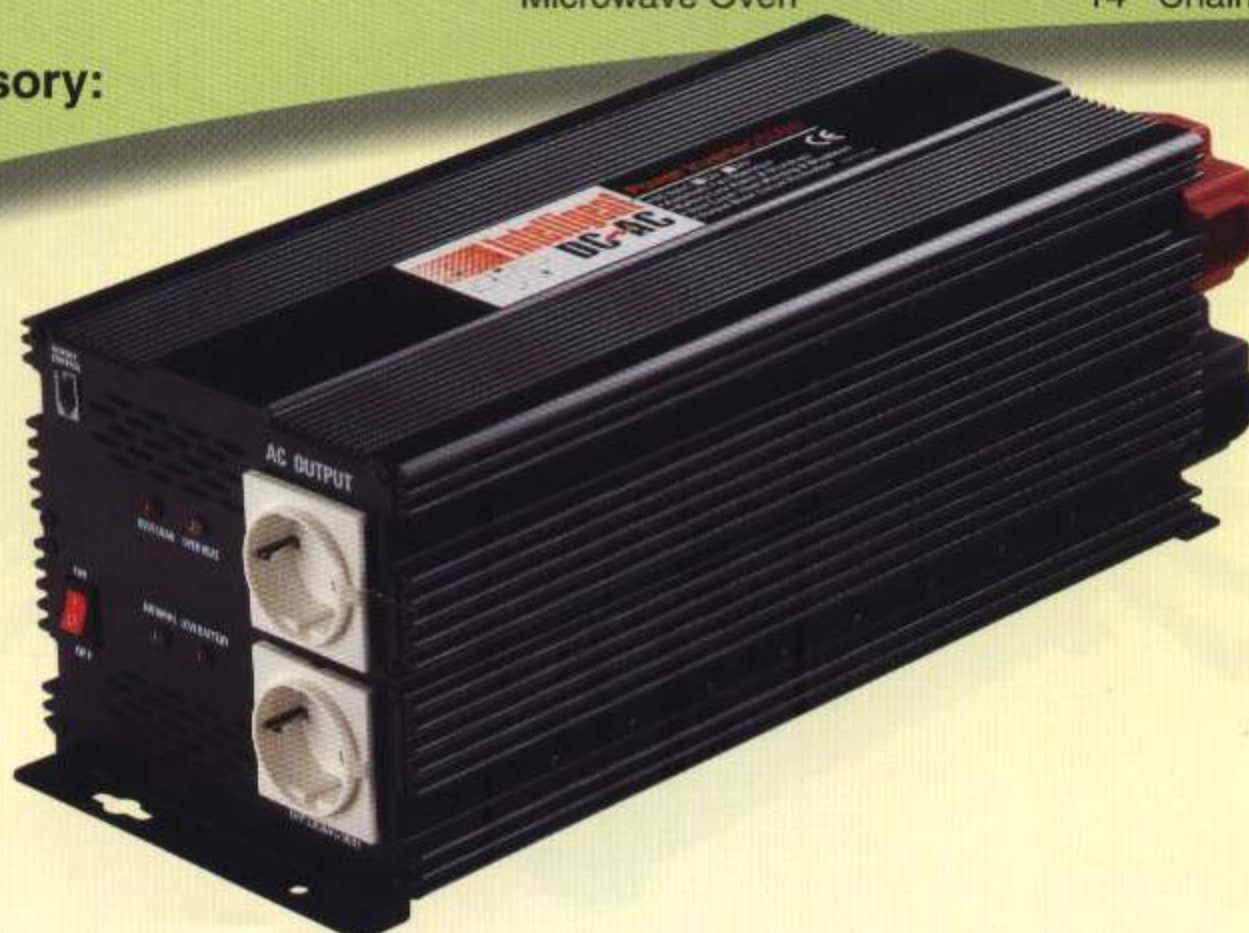
SP-2000

APPLICATION

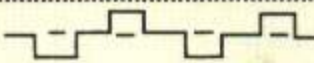
- *Laptop Computers
- *Recharge Camcorder Batteries
- *Lamp Up To 2000 Watts
- *Belt Sander
- *Microwave Oven
- *Recharge Power Tools
- *Oven
- *Refrigerators
- *Portable Vacuums
- *14" Chain Saw

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-2000	
OUTPUT POWER	CONTINUOUS POWER 2000W	SURGE POWER 4000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 2000W PRE-ALARM	> 2200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 20A * 16PCS	DC 24V : 10A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
DIMENSION (L*W*H)	360*169*152mm	
NET WEIGHT	6.5Kg	

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APPLICATION

SP-2500

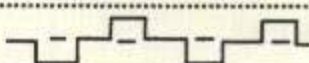
- *Laptop Computers
- *Recharge Camcorder Batteries
- *Lamp Up To 2500 Watts
- *Belt Sander
- *Microwave Oven
- *Recharge Power Tools
- *Oven
- *Refrigerators
- *Portable Vacuums
- *14 " Chain Saw

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-2500	
OUTPUT POWER	CONTINUOUS POWER 2500W	SURGE POWER 5000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 2500W PRE-ALARM	> 2700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 16PCS	DC 24V : 15A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
DIMENSION (L*W*H)	360*169*152mm	
NET WEIGHT	6.9Kg	

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SP-3000

APPLICATION

- *Laptop Computers
- *Recharge Camcorder Batteries
- *Lamp Up To 3000 Watts
- *Belt Sander
- *Oven

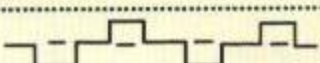
- *Recharge Power Tools
- *Microwave Oven
- *Refrigerators
- *Portable Vacuums
- *14" Chain Saw

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-3000	
OUTPUT POWER	CONTINUOUS POWER 3000W	SURGE POWER 6000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
* INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
* OUTPUT REGULATION	± 5% INTELLIGENT PWM	
* OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
* COOLING	AUTO-OPERATION FAN	
* OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
* LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
* OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
* OVER LOAD	> 3000W PRE-ALARM	> 3200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 30A * 16PCS	DC 24V : 15A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
DIMENSION (L*W*H)	360*169*152mm	
NET WEIGHT	6.9Kg	

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APPLICATION

SP-4000

- *Laptop Computers
- *Recharge Camcorder Batteries
- *Lamp Up To 4000 Watts
- *Belt Sander
- *Microwave Oven

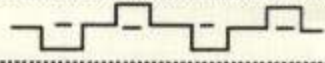
- *Recharge Power Tools
- *Oven
- *Refrigerators
- *Portable Vacuums
- *14" Chain Saw

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-4000	
OUTPUT POWER	CONTINUOUS POWER 4000W SURGE POWER 8000W	
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
* INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
* OUTPUT REGULATION	± 5% INTELLIGENT PWM	
* OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
* COOLING	AUTO-OPERATION FAN	
* OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
* LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
* OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
* OVER LOAD	> 4000W PRE-ALARM	> 4400W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 24PCS	DC 24V : 10A * 24PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
DIMENSION (L*W*H)	500*169*152mm	
NET WEIGHT	10.4Kg	

* MARK ARE OUR UNIQUE FUNCTIONS

Intelligent

APPLICATION

SP-5000

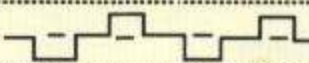
- *Laptop Computers
- *Recharge Camcorder Batteries
- *Lamp Up To 5000 Watts
- *Belt Sander
- *Oven
- *Recharge Power Tools
- *Microwave Oven
- *Refrigerators
- *Portable Vacuums
- *14" Chain Saw

Optional Accessory:

Remote Control



SPECIFICATION

ITEM	SP-5000	
OUTPUT POWER	CONTINUOUS POWER 5000W	SURGE POWER 10000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 5000W PRE-ALARM	> 5500W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 30A * 24PCS	DC 24V : 15A * 24PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
DIMENSION (L*W*H)	500*169*152mm	
NET WEIGHT	10.8Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

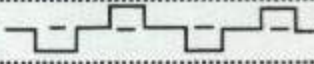
Intelligent SP-600C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

POWER INVERTER & BATTERY CHARGER



SPECIFICATION

ITEM	SP-600C	
OUTPUT POWER	CONTINUOUS POWER 600W	SURGE POWER 1500W
STANDBY CURRENT	DC 12V < 0.5A	DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM	> 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 650W PRE-ALARM	> 700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 3PCS	DC 24V : 15A * 3PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY	
※ CHARGER CIRCUIT	DC 12V : MAX. 10A	DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER	INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms	INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	280*173*65mm	
NET WEIGHT	2.8 Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

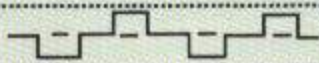
Intelligent SP-800C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

POWER INVERTER & BATTERY CHARGER



SPECIFICATION

ITEM	SP-800C
OUTPUT POWER	CONTINUOUS POWER 800W SURGE POWER 2000W
STANDBY CURRENT	DC 12V < 0.6A DC 24V < 0.4A
INPUT VOLTAGE	DC12V : 10V~15V DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V
OUTPUT WAVEFORM	Modified Sine Wave 
EFFICIENCY	> 85%
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V
※ OUTPUT REGULATION	± 5% INTELLIGENT AVR
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED
※ COOLING	AUTO-OPERATION FAN
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM < 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM > 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 850W PRE-ALARM > 950W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE
FUSE	DC 12V : 25A * 4PCS DC 24V : 15A * 4PCS
AC OUTLET	2 AC OUTLETS EUROPEAN TYPE : 1 AC OUTLET
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY
※ CHARGER CIRCUIT	DC 12V : MAX. 10A DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	320*173*65mm
NET WEIGHT	3.2 Kg

※ MARK ARE OUR UNIQUE FUNCTIONS

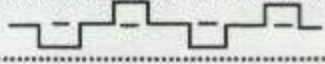
Intelligent SP-1000C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

POWER INVERTER & BATTERY CHARGER

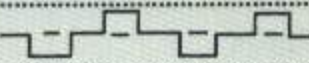


SPECIFICATION

ITEM	SP-1000C
OUTPUT POWER	CONTINUOUS POWER 1000W SURGE POWER 2400W
STANDBY CURRENT	DC 12V < 0.4A DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V
OUTPUT WAVEFORM	Modified Sine Wave 
EFFICIENCY	> 85%
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.
※ COOLING	AUTO-OPERATION FAN
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM < 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM > 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 1000W PRE-ALARM > 1200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE
FUSE	DC 12V : 20A * 9PCS DC 24V : 10A * 9PCS
AC OUTLET	2 AC OUTLETS EUROPEAN TYPE : 1 AC OUTLET
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY
※ CHARGER CIRCUIT	DC 12V : MAX. 10A DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	360*195*80mm
NET WEIGHT	3.8 Kg

※ MARK ARE OUR UNIQUE FUNCTIONS

**Intelligent****SP-1200C****Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current****POWER INVERTER & BATTERY CHARGER****SPECIFICATION**

ITEM	SP-1200C	
OUTPUT POWER	CONTINUOUS POWER 1200W	SURGE POWER 2800W
STANDBY CURRENT	DC 12V < 0.4A	DC 24V < 0.3A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CC NTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 1200W PRE-ALARM	> 1300W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 20A * 9PCS	DC 24V : 10A * 9PCS
AC OUTLET	2 AC OUTLETS	EUROPEAN TYPE : 1 AC OUTLET
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY	
※ CHARGER CIRCUIT	DC 12V : MAX. 10A	DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER	INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms	INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	360*195*80mm	
NET WEIGHT	3.8 Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

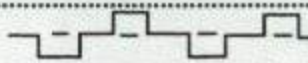
Intelligent SP-1500C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

POWER INVERTER & BATTERY CHARGER



SPECIFICATION

ITEM	SP-1500C
OUTPUT POWER	CONTINUOUS POWER 1500W SURGE POWER 3000W
STANDBY CURRENT	DC 12V < 0.4A DC 24V < 0.3A
INPUT VOLTAGE	DC 12V : 10V~15V DC 24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V
OUTPUT WAVEFORM	Modified Sine Wave 
EFFICIENCY	> 85%
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM
※ OUTPUT FREQUENCY	50Hz, 55Hz, 60Hz CRYSTAL CONTROLLED.
※ COOLING	AUTO-OPERATION FAN
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM < 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM > 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 1500W PRE-ALARM > 1700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE
FUSE	DC 12V : 35A * 8PCS DC 24V : 20A * 8PCS
AC OUTLET	2 AC OUTLETS EUROPEAN TYPE : 1 AC OUTLET
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY
※ CHARGER CIRCUIT	DC 12V : MAX. 10A DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	420*195*80mm
NET WEIGHT	4.5 Kg

※ MARK ARE OUR UNIQUE FUNCTIONS

Intelligent SP-2000C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

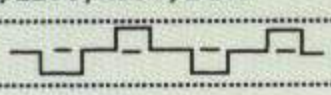
POWER INVERTER & BATTERY CHARGER



Optional Accessory:
Remote Control



SPECIFICATION

ITEM	SP-2000C	
OUTPUT POWER	CONTINUOUS POWER 2000W	SURGE POWER 4000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM	> 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 2000W PRE-ALARM	> 2200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 20A * 16PCS	DC 24V : 10A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY	
※ CHARGER CIRCUIT	DC 12V : MAX. 10A	DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER	INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms	INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	420*169*152mm	
NET WEIGHT	7.4 Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

Intelligent SP-2500C

Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current

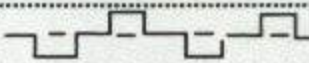
POWER INVERTER & BATTERY CHARGER



Optional Accessory:
Remote Control



SPECIFICATION

ITEM	SP-2500C	
OUTPUT POWER	CONTINUOUS POWER 2500W	SURGE POWER 5000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60℃ PRE-ALARM	> 65℃ SHUT DOWN & ALARM
※ OVER LOAD	> 2500W PRE-ALARM	> 2700W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 25A * 16PCS	DC 24V : 15A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY	
※ CHARGER CIRCUIT	DC 12V : MAX. 10A	DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER	INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms	INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	420*169*152mm	
NET WEIGHT	7.8 Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

Intelligent**SP-3000C****Inverter W/Battery Cgarger (C) Series: 10Amp Charging Current****POWER INVERTER & BATTERY CHARGER****Optional Accessory:**
Remote Control**SPECIFICATION**

ITEM	SP-3000C	
OUTPUT POWER	CONTINUOUS POWER 3000W	SURGE POWER 6000W
STANDBY CURRENT	DC 12V < 0.7A	DC 24V < 0.5A
INPUT VOLTAGE	DC12V : 10V~15V	DC24V : 20V~30V
OUTPUT VOLTAGE	AC 100V, 110V, 120V, 220V, 230V, 240V	
OUTPUT WAVEFORM	Modified Sine Wave	
EFFICIENCY	> 85%	
※ INITIAL CHECKING	AUTO-DETECTING WRONG BATTERY CONT. ex. 12V / 24V	
※ OUTPUT REGULATION	± 5% INTELLIGENT PWM	
※ OUTPUT FREQUENCY	50Hz , 55Hz , 60Hz CRYSTAL CONTROLLED.	
※ COOLING	AUTO-OPERATION FAN	
※ OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	
※ LOW BATTERY	< 10.5V or 21.5V ± 0.5V PRE-ALARM	< 9.5V or 20V ± 0.5V SHUT DOWN & ALARM
※ OVER HEATING	> 60°C PRE-ALARM	> 65°C SHUT DOWN & ALARM
※ OVER LOAD	> 3000W PRE-ALARM	> 3200W SHUT DOWN & ALARM
BATTERY POLARITY REVERSE	BY FUSE	
FUSE	DC 12V : 30A * 16PCS	DC 24V : 15A * 16PCS
AC OUTLET	(U) 3 AC OUTLETS	(E) 2 AC OUTLETS
※ BATTERY CHARGER	AUTO-INDICATING FULL BATTERY	
※ CHARGER CIRCUIT	DC 12V : MAX. 10A	DC 24V : MAX. 5A
※ AUTOMATICAL SWITCH	AC LINE → INVERTER	INVERTER → AC LINE
※ TRANSFER TIME	AC LINE → INVERTER 16ms	INVERTER → AC LINE 10ms
DIMENSION (L*W*H)	420*169*152mm	
NET WEIGHT	7.8 Kg	

※ MARK ARE OUR UNIQUE FUNCTIONS

Intelligent DC TO DC

SWITCHING CONVERTER



DC-10A



DC-15A



DC-20A

DC 24V-12V SPECIFICATION

ITEM	DC-10A	DC-15A	DC-20A
OUTPUT POWER	10A CONTINUOUS POWER 15A MAX. POWER	15A CONTINUOUS POWER 20A MAX. POWER	20A CONTINUOUS POWER 30A MAX. POWER
STANDBY CURRENT	< 0.02A	< 0.02A	< 0.04A
INPUT VOLTAGE	DC 20V~30V	DC 20V~30V	DC 20V~30V
OUTPUT VOLTAGE	DC 12V~13.8V	DC 12V~13.8V	DC 12V~13.8V
EFFICIENCY	> 90%	> 90%	> 90%
COOLING	BY AIR CONVECTION	AUTO-OPERATION FAN	AUTO-OPERATION FAN
INPUT POLARITY REVERSE	DIODE PROTECTION	DIODE PROTECTION	DIODE PROTECTION
OUTPUT POLARITY REVERSE	CIRCUIT PROTECTION	CIRCUIT PROTECTION	CIRCUIT PROTECTION
OUTPUT SHORT	OUTPUT SHORT CIRCUIT PROTECTION	OUTPUT SHORT CIRCUIT PROTECTION	OUTPUT SHORT CIRCUIT PROTECTION
OVER HEATING	CIRCUIT PROTECTION	CIRCUIT PROTECTION	CIRCUIT PROTECTION
OVER LOAD	CIRCUIT PROTECTION	CIRCUIT PROTECTION	CIRCUIT PROTECTION
FUSE	10A * 1PC	15A * 1PC	20A * 1PC
DIMENSIONS (L*W*H)	70*73*45mm	71*73*73mm	120*73*73mm
NET WEIGHT	0.26 Kg	0.33 Kg	0.6 Kg