

POWER SOLID SOLID 1-3KVA Uninterruptible Power Systems Instruction Manual

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POWER SOLID SOLID 1-3KVA Uninterruptible Power Systems



Specifications

• Product: Uninterruptible Power Systems

• Capacity: 1-3KVA

Manufacturer: power solid. vnModel Number: 4257-0637 A

Product Usage Instructions

Important Safety Warning

- Please comply with all warnings and operating instructions in this manual strictly.
- Save this manual properly and read it carefully the following instructions before installing the unit.
- Do not operate this unit before reading through all safety information and operating instructions carefully.

Transportation

Please transport the UPS system only in the original package to protect against shock and impact.

Preparation

- Condensation may occur if the UPS system is moved directly from a cold to a warm environment.
- The UPS system must be absolutely dry before being installed.
- Allow at least two hours for the UPS system to acclimate to the environment.
- Do not install the UPS system near water, moist environments, direct sunlight, or near heaters.
- Ensure ventilation holes in the UPS housing are not blocked.

Installation

- Do not connect appliances that would overload the UPS system to the output sockets.
- Place cables to prevent tripping hazards.
- Avoid connecting domestic appliances like hair dryers to UPS output sockets.
- Connect the UPS system only to an earthed shockproof outlet that is easily accessible and close to the UPS system.
- Use VDE-tested, CE-marked mains cable to connect the UPS system to the building wiring outlet.
- Use VDE-tested, CE-marked power cables to connect loads to the UPS system.
- Ensure that the total leakage current of the UPS and connected devices does not exceed 3.5 mA.

Operation

- Do not disconnect the mains cable during operations as it cancels protective earthing.
- The UPS system has its internal current source (batteries).
- Press the OFF/Enter button to fully disconnect the UPS system before maintenance.
- Avoid introducing fluids or foreign objects inside the UPS system.

Maintenance, service, and faults

 The UPS system operates with hazardous voltages. Repairs should only be carried out by qualified maintenance personnel.

FAQ (Frequently Asked Questions)

Q: Can I connect a laser printer to the UPS system?

 A: It is advised not to connect appliances or devices that would overload the UPS system, such as laser printers, to the output sockets.

Q: How should I transport the UPS system?

• A: Transport the UPS system only in the original package to protect against shock and impact.

Q: Can I install the UPS system near water or in moist environments?

• A: It is not recommended to install the UPS system near water or in moist environments. Ensure proper ventilation and avoid exposure to direct sunlight or heaters.

Publish statement

- Thank you for purchasing this series UPS.
- This series UPS is an intelligent, single phase in single phase out, high frequency online UPS designed by our R&D team which is with years of designing experience on UPS.
- With excellent electrical performance, perfect intelligent monitoring and network functions, smart appearance,

complying with EMC and safety standards, The UPS meets the world's advanced level.

- · Read this manual carefully before installation
- This manual provides technical support to the operator of the equipment.
- Contact the nearest hazardous waste disposal station when the products or components are discarded

Important Safety Warning

Important safety instructions - Save these instructions

- Please comply with all warnings and operating instructions in this manual strictly. Save this manual properly
 and read carefully the following instructions before installing the unit.
- Do not operate this unit before reading through all safety information and operating instructions carefully
- There exists dangerous voltage and high temperature inside the UPS. During the installation, operation, and maintenance, please abide by the local safety instructions and relative laws, otherwise, it will result in personnel injury or equipment damage.
- Safety instructions in this manual act as a supplementary for the local safety instructions. Our company will not assume the liability caused by disobeyingsafety instructions.3

Transportation

Please transport the UPS system only in the original package to protect against shock and impact.

Preparation

- Condensation may occur if the UPS system is moved directly from a cold to a warm environment. The UPS system must be absolutely dry before being installed.
- Please allow at least two hours for the UPS system to acclimate to the environment.
- Do not install the UPS system near water or in moist environments.
- Do not install the UPS system where it would be exposed to direct sunlight or near the heater.
- Do not block ventilation holes in the UPS housing.

Installation

- Do not connect appliances or devices that would overload the UPS system (e.g. laser printers) to the UPS output sockets.
- Place cables in such a way that no one can step on or trip over them.
- Do not connect domestic appliances such as hair dryers to UPS output sockets.
- The UPS can be operated by any individual with no previous experience.
- Connect the UPS system only to an earthed shockproof outlet which must be easily accessible and close to the UPS system.
- Please use only VDE-tested, CE-marked mains cable (e.g. the mains cable of your computer) to connect the UPS system to the building wiring outlet (shockproof outlet).
- Please use only VDE-tested, CE-marked power cables to connect the loads to the UPS system.
- When installing the equipment, it should ensure that the sum of the leakage current of the UPS and the

Operation

- Do not disconnect the main cable on the UPS system or the building wiring outlet (shockproof socket outlet) during operations since this would cancel the protective earthing of the UPS system and of all connected loads.
- The UPS system features its own, internal current source (batteries). The UPS output sockets or output terminals block may be electrically live even if the UPS system is not connected to the building wiring outlet.
- To fully disconnect the UPS system, first press the OFF/Enter button to disconnect the mains.
- Prevent no fluids or other foreign objects from inside of the UPS system.

Maintenance, service, and faults

- The UPS system operates with hazardous voltages. Repairs may be carried out only by qualified maintenance personnel.
- Caution risk of electric shock. Even after the unit is disconnected from the mains (building wiring outlet), components inside the UPS system are still connected to the battery and electrically live and dangerous.
- Before carrying out any kind of service and/or maintenance, disconnect the batteries and verify that no current
 is present and no hazardous voltage exists in the terminals of high-capability capacitors such as BUS
 capacitors.
- Only persons who are adequately familiar with batteries and with the required precautionary measures may replace batteries and supervise operations. Unauthorized persons must be kept well away from the batteries.
- Caution risk of electric shock. The battery circuit is not isolated from the input voltage. Hazardous voltages may occur between the battery terminals and the ground. Before touching, please verify that no voltage is present!
- Batteries may cause electric shock and have a high short-circuit current. Please take the precautionary measures specified below and any other measures necessary when working with batteries:
- remove wristwatches, rings, and other metal objects
- use only tools with insulated grips and handles.
- When changing batteries, install the same number and same type of batteries.
- Do not attempt to dispose of batteries by burning them. This could cause a battery explosion.
- Do not open or destroy batteries. Escaping electrolytes can cause injury to the skin and eyes. It may be toxic.
- Please replace the fuse only with the same type and amperage to avoid fire hazards.
- Do not dismantle the UPS system.

Symbols used in this guide

- WARNING! Risk of electric shock
- CAUTION! Read this information to avoid equipment damage

Installation and setup

• **NOTE:** Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. Please keep the original package in a safe place for future use.

Unpack checking

- Don't lean the UPS when moving it out from the packaging
- Check the appearance to see if the UPS is damaged or not during the transportation, do not switch on the UPS if any damage found. Please contact the dealer right away.
- Check the accessories according to the packing list and contact the dealer in case of missing parts.

Real panel view

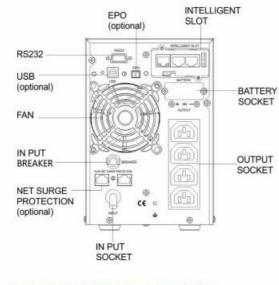
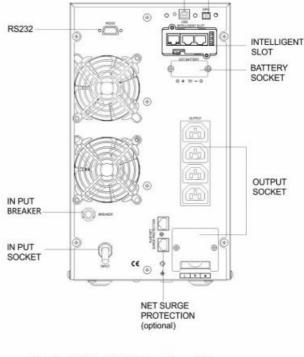


Fig.1 1KVA/1.5KVA Rear Panel View

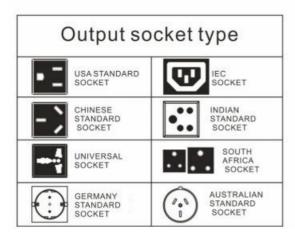


USB

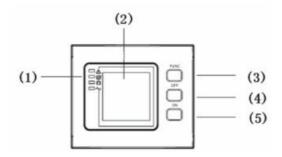
EPO

(optional) (optional)

Fig.2 2KVA/3KVA Rear Panel View



LCD control panel



LCD control panel introduction

1. LED from top to bottom: "alarm", "bypass", "battery", "inverter"

- 2. LCD
- 3. Select button: enter to next item
- 4. Off button
- 5. On button

Setup the UPS

Step 1: UPS input connection

- Plug the UPS into a two-pole, three-wire, grounded receptacle only. Avoid using extension cords.
- For 208/220/230/240VAC models: The power cord is supplied in the UPS package.

Step 2: UPS output connection

- For socket-type outputs, simply connect devices to the outlets.
- For terminal-type input or outputs, please follow the below steps for the wiring configuration:
- a) Remove the small cover of the terminal block
- b) Suggest using AWG14 or 2.1mm2 power cords for 3KVA (208/220/230/240VAC models).
- c) Upon completion of the wiring configuration, please check whether the wires are securely affixed.
- d) Put the small cover back to the rear panel.

Step 3 Communication connection

Communication port:



- To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable on one end to the USB/RS-232 port and the other to the communication port of your PC.
- With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through the PC.
- The UPS is equipped with an intelligent slot perfect for either SNMP or Relay card. When installing either SNMP or Relay card in the UPS, will provide advanced communication and monitoring options.
- **NOTE:** USB port and RS-232 port can't work at the same time.

Step 4: Turn on the UPS

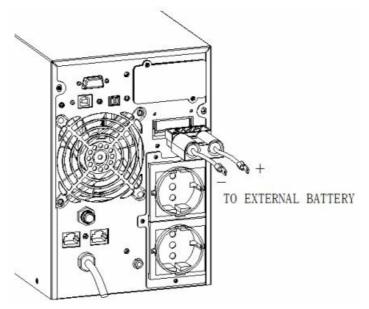
- Press the ON button on the front panel for two seconds to power on the UPS.
- **Note:** The battery charges fully during the first five hours of normal operation. Do not expect full battery run capability during this initial charge period.

Step 5: Install software

• For optimal computer system protection, install UPS monitoring software to fully configure UPS shutdown. You may insert the provided CD into CD-ROM to install the monitoring software.

Step 6: External battery connection

• If your UPS does not include batteries. Please connect external batteries as below chart.



Operations

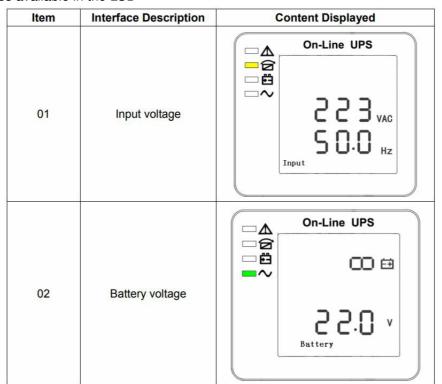
Button operation

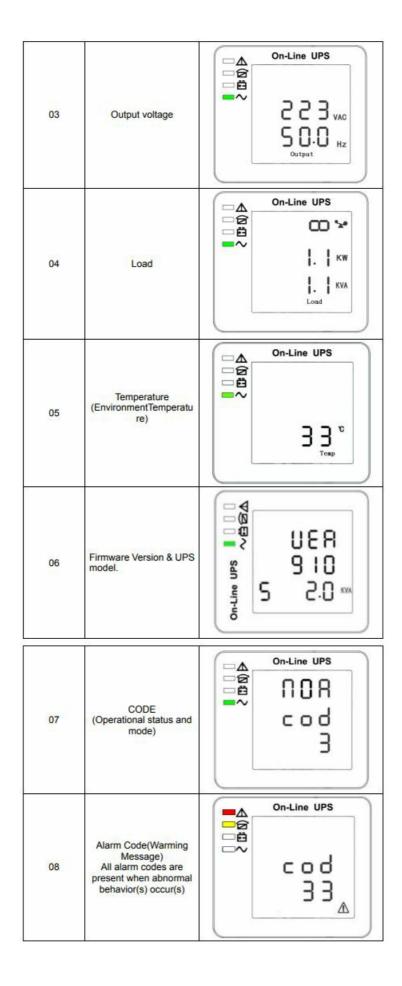
Button	Function
	Turn on the UPS : Press and hold the ON button for at least 2 seconds to turn on the UPS.
ON Button	Down key : Press this button to display the next selection in UPS setting mode.
	Exit setting mode : Press this button to confirm selection and exit setting mode when LCDs the last selection in UPS setting mode.
	Turn off the UPS : Press and hold this button for at least 2 seconds to turn off the UPS in battery mode. UPS will be in standby mode under power normal or transfer to Bypass mode if the Bypass enable setting by pressing this button.
OFF Button	Switch to bypass mode : When the main power is normal, press and hold this button f or 2 seconds. Then UPS will enter bypass mode. This action will be ineffective when t he input voltage is out of acceptable

	range. Up key : Press this button to display the previous selection in UPS setting mode .
FUNC/Mute Button	Switch LCD message: Press this button to change the LCD message for input voltage, input frequency, battery voltage, output voltage output frequency, etc. Mute the alarm: When the UPS is in battery mode, press and hold this button for at le ast 2 seconds to disable or enable the alarm system. However, it's not applied to situat ions when warnings or errors occur. Switch to UPS self-test mode: Press and hold this button for 2 seconds to enter UPS self-testing while in AC mode.
OFF + FUNC Button	Setting mode: Press and hold this button for 5 seconds to enter UPS setting mode.

LCD display

There are 8 interfaces available in the LCD





UPS setting

- The setting function is controlled by 3 buttons (Func, Off/up ▲, On/down ▼): Func +Off/up —goes into the setting page, Func value adjustment; Off ▲ & On ▼ for choosing different pages.
- After the UPS turns ON, press buttons Func & ▲ for 5seconds and then go into the settings interface page.

- Setting saving method: After setting the project parameters, press the down button ▼ until you enter the last page of the setting, and then press the down button ▼ to automatically exit the current setting mode, it will take effect after powering off and saving in battery mode.
- **Note:** The figure at the left corner is the page number of the setting pages.

Item	Settings	Content display
1	Mode setting Press Enter button ひ to change the setting (NOR or ECO or CF). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to select the next setting.	SP C SO HZ
02	Output voltage setting Press Enter button ひ to change the setting(208 , 220, 230, 240). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to select the next setting.	0 P
03	Frequency setting Press Enter button ひ to change the setting (50 or 60Hz). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to select the next setting.	NOR 220 vs. I SO Hz
04	EOD point voltage setting (one power-off set point) Press the selection button P to select different setting values (1.75/1.84/1.92) Default setting 184 (1.84V /cell) Press the up button ▲ to select the previous option; Press the down button ▼ to	On-Line UPS On-Line UPS On-Line UPS On-Line UPS

	select the next option;	
05	EOD voltage setting Press Func button to change the setting(160/167/175/180.) default setting: 175(1.75V /cell) Press UP button ▲ to select the previous setting. Press DOWN ▼ button to select the next setting.	On-Line UPS
06	Press Enter button ひ to change the setting(The bypass voltage upper limit range is 230-264Vac). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to select the next setting.	90-Line ups
07	Bypass voltage lower limit setting Press Enter button ₺ to change the setting(The bypass voltage lower limit range is 176-220Vac). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to select the next setting.	90-Line ups
08	Mute setting Press Enter button to change the setting(ON or OFF). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to save and exit the setup.	On-Line UPS CESA
09	BYPASS enable/disable setting Press Enter button to change the setting(ON or OFF). Press UP button ▲ to select the previous setting. Press DOWN button ▼ to save and exit the setup.	PS CFF
10	Generator mode setting Press the select button P to select a different set value (on or off) The factory default is: OFF, need to be manually set after the generator is manually connected; Press the up button ▲ to select the previous option; Press the down button ▼ to select the next option;	On-Line UPS On-Line UPS OF F

Operating mode	Description	Led Display
Online mode	When the input voltage is within acceptable range, UPS will provide pure and stable AC power to output. The UPS will also charge the battery in online mod e.	Inverter led light

ECO mode	Energy saving mode: When the input voltage is wit hin the voltage regulation range, UPS will bypass v oltage to output for energy saving.	Bypass and Inverter led light
Battery mode	When the input voltage is beyond the acceptable r ange or power fails and an alarm sounds every 4 s econds, UPS will back up power from the battery.	Battery and inverter LED ligh t
Standby mode	UPS is powered off and has no output supply pow er, but still can charge batteries.	All LEDs turn off
Bypass mode	When the input voltage is within acceptable range but UPS is overloaded, UPS will enter bypass mod e or bypass mode can be set by the front panel.	Bypass led light

Operational Status and Mode(s)

item	Content Displayed
2	Standby Mode
3	No Output
4	Bypass Mode
5	Utility Mode
6	Battery Mode
7	Battery Self-diagnostics
8	Inverter is starting up
9	ECO Mode
10	EPO Mode
11	Maintenance Bypass Mode
12	Fault Mode
13	Generator Mode

Alarm or Fault reference code

Event log	UPS Alarm Warning	Buzzer	LED
1	Rectifier Fault	Beep continuously	Fault LED lit
2	Inverter fault(Including Inverter bridge is shorted)	Beep continuously	Fault LED lit
9	Fan fault	Beep continuously	Fault LED lit
12	Selftest fault	Beep continuously	Fault LED lit
13	Battery Charger fault	Beep continuously	Fault LED lit

15	DC Bus over voltage	Beep continuously	Fault LED lit
16	DC Bus below voltage	Beep continuously	Fault LED lit
17	DC bus unbalance	Beep continuously	Fault LED lit
18	Soft start failed	Beep continuously	Fault LED lit
19	Rectification model Over Temperature	Twice per second	Fault LED lit
20	Inverter model Over Temperature	Twice per second	Fault LED lit
26	Battery over voltage	Once per second	Fault LED blinking
27	Mains Input reverse	Once per second	Fault LED blinking
28	Bypass Input reverse	Once per second	Fault LED blinking
29	Output Short-circuit	Once per second	Fault LED blinking
30	Input current limit	Once per second	Fault LED blinking
31	Bypass over current	Once per second	BPS LED blinking
32	Overload	Once per second	INV or BPS LED blinking
33	No battery	Once per second	Battery LED blinking
34	Battery under voltage	Once per second	Battery LED blinking
35	Battery low pre-warning	Once per second	Battery LED blinking
36	Overload time out	Once per 2 seconds	Fault LED blinking
37	DC component over the limit.	Once per 2 seconds	INV LED blinking
39	Mains volt. Abnormal	Once per 2 seconds	Battery LED lit
40	Mains freq. abnormal	Once per 2 seconds	Battery LED lit
41	Bypass Not Available		BPS LED blinking
42	Bypass out of tracking range		BPS LED blinking
45	EPO Enable	Beep continuously	Fault LED lit

Troubleshooting

If the UPS system does not operate correctly, please solve the problem by using the table below and the Trouble Shooting Chart.

Symptom	Possible cause	Remedy
No indication or alarm even though	The AC input power is not connecte d well.	Check if the input power cord is firm ly connected to the mains.
the mains are normal.	The AC input is connected to the UPS output.	Plug the AC input power cord into the AC input correctly.

The alarm code is shown as "33" and the battery led blinking.	The external or internal battery is in correctly connected.	Check if all batteries are connected well.
The alarm code is shown as "26" a nd the battery is blinking.	The battery voltage is too high or the charger is faulty.	Contact your dealer.
The alarm code is shown as "34" a nd the battery led blinking	The battery voltage is too low or the charger is faulty.	Contact your dealer.
The alarm code is shown as "32" a nd the INV or BYPASS led blinking.	UPS is overload	Remove excess loads from UPS ou tput.
The alarm code is shown as "27&2 8" and FAULT LED light.	Mains Input reverse& Bypass Input reverse	Check input L/N wiring Reverse connection
The alarm code is shown as "29" a nd the FAULT LED light.	The UPS shuts down automatically because a short circuit occurs on the UPS output.	Check output wiring and if connected devices are in short circ uit status.
The alarm code is shown as "9" and FAULT LED light.	Fan fault.	Contact your dealer.
The alarm code is shown as "01,02, 15,16,17,18"	A UPS internal fault has occurred.	Contact your dealer.
Battery backup time is shorter than the nominal value	Batteries are not fully charged	Charge the batteries for at least 5 h ours and then check capacity. If the problem persists, consult your deal er.
	Batteries defect	Contact your dealer to replace the b attery.

Storage and Maintenance

Operation

- The UPS system contains no user-serviceable parts. If the battery service life (3~5 years at 25°C ambient temperature) has been exceeded, the batteries must be replaced. In this case, please contact your dealer.
- Be sure to deliver the spent battery to a recycling facility or ship it to your dealer in the replacement battery packing material.

Storage

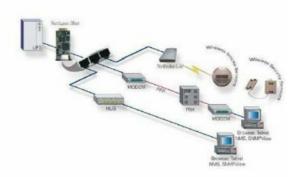
- Before storing, charge the UPS for 5 hours. Store the UPS covered and upright in a cool, dry location.
- During storage, recharge the battery under the following table:

Storage Temperature	Recharge Frequency	Charging Duration
-25°C – 40°C	Every 3 months	1-2 hours
40°C – 45°C	Every 2 months	1-2 hours

Options

- SNMP card: internal SNMP (Options)
- Loosen the 2 torquescrews (on each side of the card).
- · Carefully insert the SNMP card and lock the screws
- The slot called SNMP supports the MEGAtec protocol. We advise that the Net AgentII-3 port is also a tool to remotely monitorand manage any UPS system
- NetAgentII-3Ports supports the Modem Dial-in(PPP) function to enable the remote control via the Internet when the network is unavailable.
- In addition to the features of a standard NetAgent Mini, NetAgent II has the option to add Net Feeler Lite to detect temperature, humidity, smoke and security
- sensors. Thus, making NetAgent II aversatile management tool.NetAgent II also supports multiple languages and is set up for web-based auto-language detection.





· Typical topology of the UPS network management

Relaycard (Options)

- Mini dry contact card is used for providing the interface for UPS peripheral monitoring.
- The contact signals can reflect the UPS running status. The card is connected to peripheral monitoring devices
 via a terminal board to facilitate the effective monitoring of the real-time status of UPS and timely feedback the
 system monitors when an abnormal situation occurs(such as UPS failure, mains interruption, UPS bypass,
 ect.). It is installed in the intelligent slot of the UPS.
- The relay card includes 6 output ports and one input port. Please refer to the following table for details.





Pins definition of connecting terminal on the board

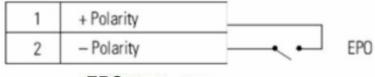
Terminal No.	Terminal function	Terminal No.	Terminal function
1	Common source	9	Bypass altive NO
2	UPS on NO	10	Bypass altive NC
3	AC fail NO	11	UPS fail NO
4	AC fail NC	12	UPS fail NC
5	Batt low NO	CN4-1	Remote shutdown
6	Batt low NC	CN4-2	GND
7	UPS alarm NO		
8	UPS alarm NC		

Relaycard electrical parameter

	max	Туре
	(Max Switched Voltage) AC:120V DC:2	AC:120V
Relaycardcontact	4V	DC:5~12V
rielaycardcomaci	(Max Switched Current) AC:1A DC:1A	AC:1A
	(Max Switched Guirent) AG.TA DG.TA	DC:1A

Emergency Power-off (EPO) (Options)

- EPO is used to shut down the UPS from a distance. This feature can be used for shutting down the load and the UPS by thermal relay, for instance in the event of room overtemperature.
- When EPO is activated, the UPS shuts down the output and all its power converters immediately. The UPS remains on to alarm the fault.

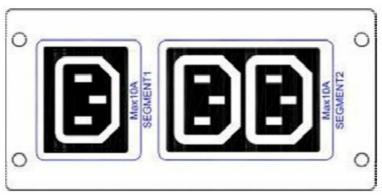


EPO Connections

- **NOTE** Depending on user configuration, the pins must be shorted or opened to keep the UPS running. To restart the UPS, reconnect (re-open) the EPO connector pins and turn on the UPS manually.
- Maximum resistance in the shorted loop is 10 ohms.
- Always test the EPO function before applying your critical load to avoid accidental load loss. Leave the EPO
 connector installed onto the EPO port of the UPS even if the EPO function is not needed.

Load Segments (Options)

- Load segments are sets of receptacles that can be controlled by power management software or through the display, providing an orderly shutdown and startup of your equipment.
- For example, during a power outage, you can keep critical equipment running while you turn off other equipment. This feature allows you to save battery power. Each UPS has two load segments:



- Load Segment 1: The power-shedding battery voltage of this segment can be set by LCD.
- Load Segment 1: The power-shedding battery end of discharge(EOD).

Specification

MODEL	1KVA(S	1KVA(H)	1 5KVA(S)	1.5KVA(H)	2KVA(S)	2KVA(H)	3KVA(S	3KVA(H)			
PHASE	Single ph	Single phase with ground									
Capacity (VA/Watts)	1000VA / 800W /90 0W/1000W		1500VA 1200W/13 W	350W/1500	2000VA / 800W/200		3000VA / 2400W/2 00W/3000W				
INPUT											
Nominal voltage 208/220/230/240VAC											

	Low line t	176Vac±5% @100%-50% load;							
	ransfer	110Vac±5% @50%-0% load;							
	Low line	186Vac±5% @100%-50% load;							
Operating voltage ran	comebac k	120Vac±5% @50%-0% load;;							
ge (Ambie nt Temp. <	High line	264Vac±5% @100%-50% load;							
40°C)	transfer	300Vac±5% @50%-0% load;							
	High line	254Vac±5% @100%-50% load;							
	comebac k	290Vac±5% @50%-0% load;							
Operating fro	equency ra	40-70Hz							
Power factor	,	0.99@100% load(Nominal Input Voltage)							
		Bypass high voltage point							
		230-264: setting the high voltage point in LCD from 230Vac to 264Vac. (Default: 264Va c)							
Bypass volta	ige range	Bypass low voltage point							
		176-220 : setting the low voltage point in LCD from 176Vac to 220Vac. (Default: 176Vac)							
Generator in	put	Support							
OUTPUT									
Output volta	ge*	208/220/230/240Vac							
Power factor	,	0.8/0.9/1.0							
Voltage regu	ılation	8±1%							
Frequency	Line Mod e (synchr onized ra nge)	46-54Hz or 56-64Hz							
	Bat. Mod e	(50/60±0.1)Hz							
Crest factor		3:1							
Harmonic dis	stortion (T	≤3% with linear load							
HDv)	3.01.11011 (I	≤5% THD with nonlinear load							
Waveform		Pure Sinewave							

Transfer ti	AC mode <->Batt. mode	Zero)												
me	Inverter < -> bypass	4ms	(Typic	cal)											
		88%(AC mode))	89%(AC mode)		90%(AC mode)				90%(AC mode)			
Efficiency	85%(DC mode)		86%(DC mode)		86%(DC mode))	87%(DC mode)						
BATTERY															
Battery Type		12V	depends on the c apacity of exter nal batte ries		12V9AH	depends on the c apacity o f extern al batteri es	12V9AH		depends on the c apacity of exter nal batte ries		12V9AH		depends on the c apacity o f extern al batteri es		
Numbers		2	3	2	3	3	3	4	6	4	6	6	8	6	8

Backup tim	ne	Long-ru	Long-run unit depends on the capacity of external batteries											
Typical rec me(standa l)		4 hours	4 hours recover to 90% capacity (Typical)											
Charging voltage		27.4 ±1	%	41.0 ±1%			5 4. 7 ± 1 %	8 2. 1 ± 1 %	5 4. 7 ± 1 %	8 2. 1 ± 1 %	8 2. 1 ± 1 %	1 0 9. 4 ± 1 %	8 2. 1 ± 1 %	1 0 9. 4 ± 1 %
Charge current		1/2A	6/12A		1/2A	6/12A	1/2A		6/1	6/12A A		1 A 6/12A		2A
SYSTEM F	EATURE	S												
Overload	Line M ode	: UPS tr	105%~125%: UPS transfer to bypass after 1 minute when the utility is normal 125%~130%: UPS transfer to bypass after 30 seconds when the utility is normal >130%: UPS transfer to bypass immediately when the utility is normal									30%		
Overload	Batt. Mode	n;		ter 1minute shu		25%~13	0%: ۱	UPS	after	· 10 s	secoi	nds s	shut	dow
Short Circu	uit	Hold WI	hole System											

Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately												
Low battery voltag e	Ala	Alarm and Switch off											
EPO (optional)	Shı	Shut down UPS immediately											
Audible & Visual al arms	Lin	Line Failure, Battery Low, Overload, System Fault											
Comunication inter face	US	USB(or RS232), SNMPcard(optional), Relay card (optional)											
ENVIRONMENTAL													
Operating tempera ture	0°C	0°C 40°C											
Storage temperatu re	-25	-25°C 55°C											
Humidity range	20-	20-90 % RH @ 0- 40°C (non-condensing)											
Altitude	< 1	< 1500m											
Noise level	Les	s tha	an 55dBA at 1 Meter										
PHYSICAL													
Dimension W×D× H (mm)	1												
Net Weight (kg)	9. 1	1 2. 2	4.1	13.1	5.6	1 9. 5	2 4. 5	10.3	2 4. 5	3 2. 8	10.9		
STANDARDS													
Safety	IEC	/EN	62040-1,IEC/EN60950-1										
EMC			62040-2,IEC61000-4-2,IEC 10-4-8	61000-4-3,	IEC6100	0-4-4	, IEC	61000-4	-5,IE	C610	000-4-6,1		

- Derate to 80% of capacity when the output voltage is adjusted to 208VAC
- Derate to 75% of capacity when the Input voltage frequency is out of range(50/60±4Hz)
- Product specifications are subject to change without further notice.

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Documents / Resources



POWER SOLID 1-3KVA Uninterruptible Power Systems [pdf] Instruction Manual SOLID 1-3KVA Uninterruptible Power Systems, SOLID 1-3KVA, Uninterruptible Power Systems, Power Systems

References

User Manual

Manuals+, Privacy Policy

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