

Easy UPS

Uninterruptible Power Supply

User Manual

BVG600-BR/I-BR,

BVG700-LM/I-AR/I-GR/I-MSN/I-MSX,

BVG900-LM/I-AR/I-GR/I-MSN,

BVG1200-LM/I-AR/I-GR/I-MSN/I-MSX,

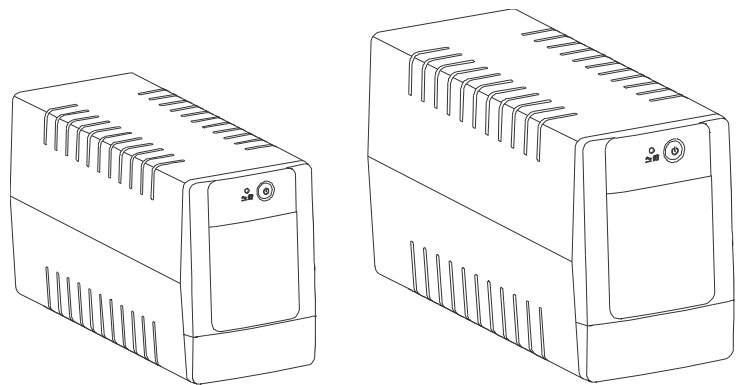
BVG1500-LM,

BVG-1600I-AR/I-GR/I-MSN/I-MSX,

BVG2200I-GR/I-MSN/I-MSX

EN TME58200A

09/2025



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Important Safety Instructions

SAVE THESE INSTRUCTIONS - This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries.



Read the Safety Guide supplied with the equipment to become familiar with the safety requirements before trying to install or operate the UPS.

Read the user documentation to become familiar with the equipment before trying to install or operate it.

The following special messages may appear throughout this document or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol either to a “Danger” or “Warning” safety label indicates that an electrical hazard exists that will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER
DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION
CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE
NOTICE is used to address practices not related to physical injury.

Product Handling Guidelines

 <18 kg <40 lb	 18-32 kg 40-70 lb	 32-55 kg 70-120 lb	 >55 kg >120 lb		
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Electrical equipment should be installed, operated and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety and General Information

NOTICE

RISK OF EQUIPMENT DAMAGE

- The output of BVG700-LM is not purely sinusoidal. It has a nominal total voltage harmonic distortion of 40 percent, with the nominal value of the largest single voltage harmonic of 49 percent.
- The output of BVG900-LM is not purely sinusoidal. It has a nominal total voltage harmonic distortion of 30 percent, with the nominal value of the largest single voltage harmonic of 44 percent.
- The output of BVG1200-LM is not purely sinusoidal. It has a nominal total voltage harmonic distortion of 43 percent, with the nominal value of the largest single voltage harmonic of 53 percent.
- The output of BVG1500-LM is not purely sinusoidal. It has a nominal total voltage harmonic distortion of 41 percent, with the nominal value of the largest single voltage harmonic of 50 percent.

Failure to follow these instructions can result in equipment damage.

Inspect the package contents upon receipt. Notify the carrier and dealer if there is any damage.

- Adhere to all national and local electrical codes.
- All wiring must be performed by a qualified electrician.
- Changes and modifications to this unit not expressly approved by Schneider Electric could void the warranty.
- This Easy UPS is for indoor use only.
- Do not operate this Easy UPS in direct sunlight, in contact with fluids, or where there is excessive dust or high humidity.
- Do not operate the Easy UPS near open windows or doors. Be sure the air vents on the Easy UPS are not blocked. Allow adequate space for proper ventilation.

NOTE: Allow a minimum of 20 cm clearance on both front and rear sides of the Easy UPS.

- Connect the Easy UPS to an earthed mains socket.
- Connect the power cord of the Easy UPS directly to a wall outlet. Do not use surge protectors or extension cords.
- Do not switch off the utility power to the Easy UPS. Use the Easy UPS POWER ON/OFF switch in the front panel to switch *on/off* the power to the connected loads.
- Do not attempt to disassemble the unit. The unit contains no user replaceable parts.
- In the event of an emergency, press the POWER ON/OFF button and disconnect the power cord from the utility power supply to completely disable the Easy UPS.
- Do not connect loads like medical equipment, life-support equipment, microwave ovens, laser printers or vacuum cleaners to Easy UPS.
- For user safety, persons not authorized by Schneider Electric are not allowed to disassemble or repair this equipment.

Battery safety

CAUTION

RISK OF HYDROGEN SULPHIDE GAS AND EXCESSIVE SMOKE

- Replace the battery at least every 5 years or at the end of its service life.
- Replace the battery immediately when the Easy UPS indicates battery replacement is necessary.
- Replace batteries with the same number and type of batteries as originally installed in the Easy UPS.
- Replace the battery immediately when the Easy UPS indicates a battery over-temperature condition, or when there is evidence of electrolyte leakage. Power off the Easy UPS, unplug it from the AC input, and disconnect the batteries. Do not operate the Easy UPS until the batteries have been replaced.

Failure to follow these instructions can result in minor or moderate injury and equipment damage.

- For the recycling battery information, go to apc.com/recycle.
- Servicing of batteries should be performed or supervised by personnel knowledgeable about batteries and required precautions. Keep unauthorized personnel away from batteries. In this case, batteries are not user replaceable.
- Schneider Electric uses Sealed Maintenance-Free Lead Acid batteries. Under normal use and handling, there is no contact with the internal components of the batteries. Over charging, over heating or other misuse of batteries can result in leakage of battery electrolyte. Released electrolyte is toxic and may be harmful to the skin and eyes.
- The battery typically lasts about three years. Environmental factors impact battery life. Elevated ambient temperatures, frequent short duration discharges due to poor quality utility power will shorten battery life.
- CAUTION: A battery can present a risk of electric shock and burns by high short-circuit current. The following precautions should be taken when working on batteries:
 - Disconnect the charging source prior to connecting or disconnecting battery terminals.
 - Do not wear any metal objects including watches and rings.
 - Do not lay tools or metal parts on top of batteries.
 - Use tools with insulated handles.
 - Wear rubber gloves and boots.
 - Determine if battery is either intentionally or inadvertently grounded. Contact with any part of a grounded battery can result in electric shock and burns by high short-circuit current. The risk of such hazards can be reduced if grounds are removed during installation and maintenance by a skilled person.
- CAUTION: Failed batteries can reach temperatures that exceed the burn threshold for touchable surfaces.


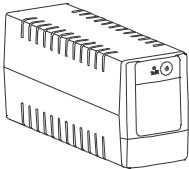
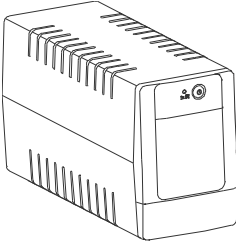
- CAUTION: Before installing or replacing the batteries, remove conductive jewelry such as chains, wrist watches, and rings. High energy through conductive materials could cause severe burns.
- CAUTION: Do not dispose of batteries in a fire. The batteries may explode.
- CAUTION: Do not open or mutilate batteries. Released material is harmful to the skin and eyes and may be toxic.

Radio Frequency Warning

This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Inventory

Common to all models	
User documentation	
	
BVG600-BR / BVG600I-BR / BVG700-LM / BVG700I-GR / BVG700I-AR / BVG700I-MSN / BVG700I-MSX / BVG900I-GR / BVG900I-AR / BVG900-LM / BVG900I-MSN	Easy UPS 
BVG1200I-AR / BVG1200-LM / BVG1200I-GR / BVG1200I-MSN / BVG1200I-MSX / BVG1500-LM / BVG1600I-AR / BVG1600I-GR / BVG2200I-GR / BVG1600I-MSN / BVG1600I-MSX / BVG2200I-MSN / BVG2200I-MSX	Easy UPS 

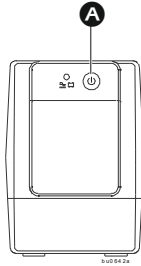
Product Description

The Schneider Electric Easy UPS offers power and surge protection for wireless networks, computers, gaming consoles and other electronics in your home or business. This UPS supply battery backup during outages and unstable voltage fluctuations, as well as provide protection from damaging surges and spikes. They are the choice helps to protect your data and keep you connected.

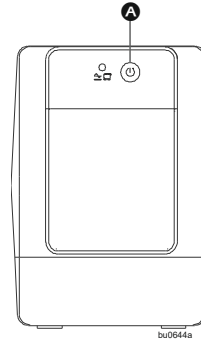
Product Overview

Front Panel Features

BVG600-BR/ BVG600I-BR /
 BVG700-LM / BVG700I-GR /
 BVG700I-AR / BVG700I-MSN /
 BVG700I-MSX / BVG900I-GR /
 BVG900I-AR / BVG900-LM /
 BVG900I-MSN



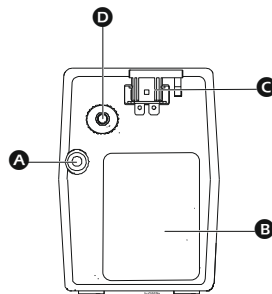
BVG1200I-AR / BVG1200-LM / BVG1200I-GR / BVG1200I-MSN /
 BVG1200I-MSX / BVG1500-LM / BVG1600I-AR / BVG1600I-GR /
 BVG2200I-GR / BVG1600I-MSN / BVG1600I-MSX / BVG2200I-MSN /
 BVG2200I-MSX



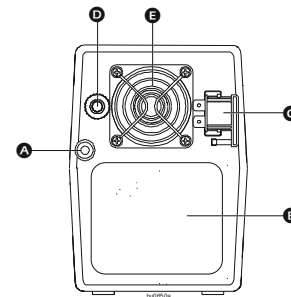
A POWER ON/OFF button with indicator

Rear Panel Features

BVG600-BR/ BVG600I-BR / BVG700-LM /
 BVG700I-GR / BVG700I-AR /
 BVG700I-MSN / BVG700I-MSX /
 BVG900I-GR / BVG900I-AR /
 BVG900-LM / BVG900I-MSN

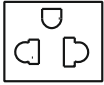
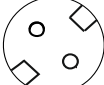





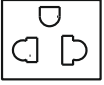
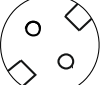


BVG1200I-AR / BVG1200-LM /
 BVG1200I-GR / BVG1200I-MSN /
 BVG1200I-MSX / BVG1500-LM /
 BVG1600I-AR / BVG1600I-GR /
 BVG2200I-GR / BVG1600I-MSN /
 BVG1600I-MSX / BVG2200I-MSN /
 BVG2200I-MSX



A Input power cord	Connect the Input power cord to a wall outlet (utility power).
B Battery backup and surge protection outlets	These outlets help provide power from the battery to the connected equipment for a limited period of time during power outage, or brownout condition and helps to protect the connected equipment from power surges or spikes, when the UPS is connected to utility power and turned <i>on</i> . Connect equipment such as a computer, monitor and other peripheral devices which need to remain <i>on</i> during power outages or brownout condition, to these outlets.
C Battery connector	Connects the battery to the UPS.
D Circuit breaker	Trips when the UPS experiences an overload condition.
E Fan*	Fan only for 1500/1600/2200 VA unit

Please refer to the specification table for outlet configuration specifics.

Model	BVG700I-MSN BVG900I-MSN BVG700-LM BVG900-LM	BVG700I-GR BVG900I-GR	BVG700I-AR BVG900I-AR	BVG700I-MSX	BVG600I-BR BVG600-BR
Output Type and Quantity	 *4	 *2	 *2	 *2	 *4

Model	BVG1200I-MSN BVG1200-LM BVG1500-LM BVG1600I-MSN BVG2200I-MSN	BVG1200I-GR BVG1600I-GR BVG2200I-GR	BVG1200I-AR BVG1600I-AR	BVG1200I-MSX BVG1600I-MSX BVG2200I-MSX
Output Type and Quantity	 *4	 *4	 *4	 *4

Specifications

120 V Specifications

Model		BVG600-BR	BVG700	BVG900	BVG1200	BVG1500
Input	Voltage	120 Vac				
	Frequency	50 Hz / 60 Hz ± 5Hz				
	Brownout Transfer	89 Vac				
	Over-voltage Transfer	145 Vac				
Output	UPS Capacity (total)	600 VA / 300 W	700 VA / 360 W	900 VA / 480 W	1200 VA / 650 W	1500 VA / 900 W
	Voltage On Battery	120 Vac ±10%				
	Frequency - On Battery	50 Hz / 60 Hz ±1Hz				
	Transfer Time	6 ms typical, 10ms max.				
Protection	AC Input Circuit Breaker	7A / 250 Vac	10 A / 250 Vac	10 A / 250 Vac	13 A / 250 Vac	15 A / 250 Vac
Battery	Type	12 V, 7 Ah x 1 lead acid	12 V, 7 Ah x 1 lead acid	12 V, 9 Ah x 1 lead acid	12 V, 9 Ah x 1 lead acid	12 V, 7 Ah x 2 lead acid
	Average Life	<p>The battery typically lasts for three to five years. Environmental factors impact battery backup life.</p> <p>Elevated temperatures, high humidity, poor quality mains power, and frequent, short duration discharges will shorten battery life.</p> <p>The battery in the Easy UPS Series is not user-replaceable. Contact SEIT Technical support for a list of authorized service centers near you.</p>				
	Typical Recharge Time	8 hours to 90% capacity				
Physical	Net Weight	4.4 kg	4.2 kg	4.9 kg	7.2 kg	9.7 kg
	Dimension (D x W x H) cm	30 x 10.1 x 14.2			32 x 13 x 18.2	
	Shipping Weight	4.9 kg	4.7 kg	5.4 kg	8.2 kg	10.7 kg
	Shipping Dimensions (D x W x H) cm	34.7 x 14.3 x 22.3			39.5 x 19.7 x 28.5	
Temperature	Operating	0 °C to 40 °C				
International Protection Code		IP20				
Applicable power grid power distribution system		TN Power System				
Applicable standard		IEC 62040-1	UL 1778			
Pollution degree		2				
Overvoltage category		II				
Humidity		0 to 95% relative, non-condensing				
Operating Temperature		0 ° to 40 °C (32 ° to 104 °F)				
Storage temperature		-15 ° to 45 °C (5 ° to 113 °F) (Or -10 – 40 °C)				
Altitude		3000 m				

230 V Specifications

Model		BVG600I-BR	BVG700I	BVG900I	BVG1200I	BVG1600I	BVG2200I	
Input	Voltage	220 - 240 Vac						
	Frequency	50 Hz / 60 Hz ± 5Hz						
	Brownout Transfer	170 Vac						
	Over-voltage Transfer	280 Vac						
Output	UPS Capacity	600 VA / 300 W	700 VA / 360 W	900 VA / 480 W	1200 VA / 650 W	1600 VA / 900 W	2200 VA / 1200 W	
	Voltage On Battery	230 Vac ± 10%						
	Frequency - On Battery	50 Hz / 60 Hz ± 1Hz						
	Transfer Time	6 ms typical, 10 ms max.						
Protection	AC Input Circuit Breaker	5 A / 250 Vac	5 A / 250 Vac	7 A / 250 Vac	8 A / 250 Vac	10 A / 250 Vac	15 A / 250 Vac	
Battery	Type	12 V, 7 Ah x 1 lead acid	12 V, 7Ah x 1 lead acid	12 V, 9 Ah x 1 lead acid	12 V, 9 Ah x 1 lead acid	12 V, 7 Ah x 2 lead acid	12 V, 9 Ah x 2 lead acid	
	Average Life	The battery typically lasts for three to five years. Environmental factors impact battery backup life. Elevated temperatures, high humidity, poor quality mains power, and frequent, short duration discharges will shorten battery life. The battery in the Easy UPS Series is not user-replaceable. Contact SEIT Technical Support for a list of authorized service centers near you.						
	Typical Recharge Time	8 hours to 90% capacity						
Physical	Net Weight	4.4 kg	4.2 kg	4.9 kg	7.2 kg	9.7 kg	10.6 kg	
	Dimensions (D x W x H) cm	30 x 10.1 x 14.2			39.5 x 19.7 x 28.5			
	Shipping Weight	4.9 kg	4.7 kg	5.4 kg	8.2 kg	10.7 kg	11.6 kg	
	Shipping Dimensions (D x W x H) cm	34.7x 14.3 x 22.3			39.5 x 19.7 x 28.5			
Temperature	Operating	0 °C to 40 °C						
International Protection Code		IP20						
Applicable power grid power distribution system		TN Power System						
Applicable standard		IEC 62040-1						
Pollution degree		2						
Overvoltage category		II						
Humidity		0 to 95% relative, non-condensing						
Operating Temperature		0 ° to 40 °C (32 ° to 104 ° F)						
Storage temperature		-15 ° to 45 °C (5 ° to 113 °F) (Or -10 – 40 °C)						

Model	BVG600I-BR	BVG700I	BVG900I	BVG1200I	BVG1600I	BVG2200I
Altitude	3000 m					

* The length of input power cord is 1.1 m. For best operation, do not use output cable longer than 2 m.

Status Indicators

LED	Audible Alarm	Condition
On	Off	On-line - The UPS is supplying AC power to the connected equipment
	Constant Tone	On Line Overload - The power being used by the connected equipment has exceeded the capacity of the unit. Disconnect some equipment.
	Constant beeping (every 1/2 second)	Over-temperature Alarm - The unit is overheating and will operate in AVR mode for 1 minute. The UPS will shut down if the temperature is not lowered. Disconnect some of the connected equipment.
On (Off during 4 beeps)	4 beeps repeated every 30 seconds	On-Battery - The UPS is supplying battery power.
Flashing	Constant beeping (every 1/2 second)	Low Battery - The UPS is supplying battery power and the battery is near a total discharge state.
	Constant tone	Replace Battery Alarm - The battery needs to be charged, or is at end of life. NOTE: - If the battery is disconnected, unplug the UPS from AC source and then turn it off. Refer to the section "Turn On the Easy UPS" on page 12. - If battery needs replacement, refer to the section "Battery safety" on page 5 for details.
Off	Short beep every 4 seconds	Low Battery Shutdown - During On Battery operation the battery power was almost completely exhausted, and the UPS is waiting for AC power to return to normal. On Battery Overload - The power being used by the connected equipment has exceeded the capacity of the unit. Disconnect some equipment.
	Constant Tone	On Line Overload Condition Detected - The connected equipment requires more power than provided by the UPS. Unplug devices one at a time to remove overload. If the detected problem is not corrected, contact SEIT Technical Support Charger Error Detected - UPS has an internal problem detected, and is no longer powering the load. Contact SEIT Technical Support. Output Short Condition Detected - UPS is having output short-circuit
	Long beep every 4 seconds	Over-temperature Condition Detected - The UPS has overheated and has shut down. Unplug connected device one at a time or wait for a few hours for system to cool down

Operation

Turn On the Easy UPS

1. Place the Easy UPS to avoid:
 - Direct sunlight
 - Excessive heat
 - Excessive moisture
 - Excessive dust/dirt



For operation, place the Unit on the floor.

1. Connect the battery by pulling the battery handle up, and then pushing it into the unit.
2. Connect equipment to the UPS. Avoid using extension cords.
3. Plug the Easy-UPS power cord directly into a wall outlet, not into surge protector or power strip.
4. Press the POWER ON/OFF button to turn on the unit. The green POWER ON indicator confirms that the Easy UPS is on and ready to provide protection. The unit is being charged whenever it is connected to AC power, whether the unit is turned on or off.



Automatic Voltage Regulation (AVR)

Automatic Voltage Regulation boosts/trims the AC voltage when it varies from the specified levels. This allows the connected equipment to operate during high/low voltage conditions, conserving battery power. The Easy UPS will switch to battery power if the input voltage level becomes too low/high or if the AC input voltage is distorted.

Self Test

The Easy-UPS will perform an automatic test of the internal battery when the UPS is turned on or the UPS is operating in on-line mode, once in every 14 days.

NOTE: Self test can be done only when the battery is fully charged and the UPS is working in on-line mode.

Troubleshooting

Detected Problem and Possible Cause	Corrective Action
The Easy-UPS will not turn on.	
The Easy-UPS has not been turned on.	Press the POWER ON/OFF button.
The Easy-UPS is not connected to AC power, there is no AC power available at the wall outlet, or the AC power is experiencing a brownout or over voltage condition.	Be sure that the power cord is securely connected to the wall outlet, and that the utility power is available at the wall outlet. Where applicable, be sure that the wall outlet is switched on.
Battery is disconnected	Connect the battery. Refer to “Turn On the Easy UPS” on page 12 for details.
Connected equipment loses power.	
An overload condition has occurred.	<ul style="list-style-type: none"> • Disconnect all equipment connected to the outlets. Reconnect one equipment at a time to the Easy-UPS. • If the overload condition still occurs, contact customer support.
The Easy-UPS battery is completely discharged.	Connect the Easy UPS to utility power and allow the battery to recharge for 10 hours.
Connected equipment does not accept the step-approximated sine wave from the Back-UPS.	<p>The output waveform is intended for computers and peripheral devices only.</p> <p>The UPS is not intended for use with motor driven equipment.</p>
The Back-UPS has an inadequate battery runtime.	
The battery is not fully charged.	<p>Leave the Easy UPS connected to utility power for 24 hours while the battery charges to full capacity.</p> <p>As a battery ages, the runtime capability decreases. It is necessary to replace the battery.</p>
The battery is near the end of useful life and should be replaced.	Contact customer support for replacing the battery.
The Red LED flashes or is continuously illuminated and continuous beep is heard.	
The UPS has detected an internal error.	Refer to “Status Indicators” on page 11 for details and take appropriate corrective action.
The UPS may require to be serviced.	Contact customer support.
The UPS and outlets are off but the UPS keeps beeping once every 4 seconds. The audible alarm will mute after 32 seconds.	
The UPS has shut down due to low battery, but control power exists.	The UPS will return to normal operation once the AC input voltage.

Service

If the unit requires service, do not return it to the dealer. Follow these steps:

1. Review the Troubleshooting section of the manual to eliminate common problems.
2. If the problem persists, contact Schneider Electric IT (SEIT) Customer Support through the Schneider Electric website, www.se.com.
 - a. Note the model number and serial number and the date of purchase. The model and serial numbers are located on the rear panel of the unit.
 - b. Call SEIT Customer Support and a technician will attempt to solve the problem over the phone. If this is not possible, the technician will issue a Returned Material Authorization Number (RMA#).
 - c. If the unit is under warranty, the repairs are free.
 - d. Service procedures and returns may vary internationally. Refer to Schneider Electric website for country specific instructions.
3. Pack the unit in the original packaging whenever possible to avoid damage in transit. Never use foam beads for packaging. Damage sustained in transit is not covered under warranty.
4. Always DISCONNECT THE UPS BATTERIES before shipping. The United States Department of Transportation (DOT), and the International Air Transport Association (IATA) regulations require that UPS batteries be disconnected before shipping. The internal batteries may remain in the UPS.
5. Write the RMA# provided by Customer Support on the outside of the package.
6. Return the unit by insured, pre-paid carrier to the address provided by Customer Support

Warranty

Register your product on-line. <http://warranty.apc.com>

The standard warranty is two (2) years from the date of purchase. SEIT standard procedure is to replace the original unit with a factory reconditioned unit. Customers who must have the original unit back due to the assignment of asset tags and set depreciation schedules must declare such a need at first contact with an SEIT Technical Support representative. SEIT will ship the replacement unit once the defective unit has been received by the repair department, or cross-ship upon the receipt of a valid credit card number. The customer pays for shipping the unit to SEIT. SEIT pays ground freight transportation costs to ship the replacement unit to the customer.

Schneider Electric IT Customer Support Worldwide

For country specific customer support, go to the Schneider Electric website, www.se.com.

Schneider Electric

35 rue Joseph Monier
92500 Rueil Malmaison - France
www.se.com

As standards, specifications, and designs change from time to time,
please ask for confirmation of the information given in this publication.

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