

EG-AR-PRO-RT 1000VA – 3000VA

Ideal UPS for applications that require extended battery operation. Their advanced technology maximizes battery life and ensures high efficiency.

Applications

- Network and telecommunications equipment
- Medium-voltage substations
- PLC control cabinets
- BMS and SCADA systems
- Video surveillance, security and IoT devices

Special applications

Medium-voltage substations and control cabinets (PLC)

We have a solution whenever you need residual battery capacity. With our firmware, you can be sure that the UPS always has enough battery capacity to be turned on again and power the load.

Benefits

- Built-in feature that is free and easy to implement.
- Backup of at least 60 minutes, residual charge control in accordance with CEI 0-16.
- Easily customizable residual battery capacity.
- Cold UPS start-up.
- Battery alarm and residual backup time indicator.
- Maximizes battery protection and life.

To ensure in any conditions 24/7 opening of electric shutters or doors of shops, bars, restaurants, warehouses and service businesses

If an electric shutter is protected by a UPS, and for some reason the mains circuit breaker trips or there is no power, the open/close mechanisms cannot be operated. The "remote on/off" option means that our UPS can be switched on even without mains power so the electric shutter can be opened or closed.

Benefits

- Option that is easy to implement on request.
- Reduces TCO by avoiding the need to over dimension the UPS and batteries to overcome long periods without power (e.g. when closing a business for holidays).
- Maximizes battery protection and life.

Features

- Online Double-conversion technology (VFI) from 1000VA to 3000VA with a power factor 1.
- Lithium battery ready.
- Flexible design offering both rack or tower installation with rotating display panel to suit.
- Easy installation.
- Low running costs with selectable high-efficiency (VFI) and ECO modes.
- Extended autonomies for maximum availability via external battery banks.
- User-friendly downloadable monitoring software supporting the main OS providing monitoring functions, diagnostics and automatic controlled shutdown of connected loads.
- Constant voltage constant frequency (CVCF) output mode offering maximum protection to sensitive loads.
- High overload capacity.
- Wide input voltage and frequency ranges reducing battery switching resulting in maximum service life.
- Configurable battery reserve percentage from 3% to 100% of available capacity.
- Real-time battery autonomy remaining available through the display.
- Two sets of IEC sockets that can be programmed separately.
- Cold start.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off with remote option.
- RS232, USB and mini slot to accept optional communication cards.
- Supplied with input and output power cables.
- Lockable IEC fitted as standard to provide additional protection against accidental disconnection of critical load.

PMA_EG-AR-PRO-RT / PMA02250621

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Key options

- Communication cards to include RS-485 Modbus, SNMP/web and relay interface with programmable dry contacts to integrate with various systems, such as BMS, PLC, SCADA and AS400.
- External manual bypass panels with additional sockets.
- External battery cabinets.
- Lithium battery upgrade.
- 8A super charger.
- Smart Ambient Temperature Detector.
- Temperature compensation.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.

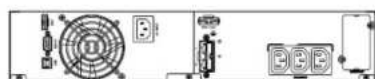
Uptime table

Consulting the summary table below will let you quickly identify a model based on the total VA/W consumption of the devices to be protected.

UPS EG-AR-PRO	1000 VA	2000 VA	3000 VA
UPS Power in W	1000	2000	3000
Device input power in Watts	Uptime in minutes		
52.5	> 90	> 90	> 90
105	60	90	> 90
210	33	72	> 90
315	20	50	65
455	14	33	42
595	9	21	31
700	7	18	26
900	5	15	18
1050		12	15
1225		9	13
1400		7	12
1800		5	8
2100			6
2700			4

Indicative input power of various devices (you are advised to check actual input power).

- Router 30 W • POS + Cash register 50 W • NAS 60 W • 43" TV 100 W • Inkjet printer / Scanner 180 W • Desktop PC + 21" LCD monitor 250 W • Desktop Gaming PC + 24" LCD monitor 500 W • High-end dual-processor PC + 32" LCD monitor 800 W • Rack/tower server from 300 to 1000 W • Video game console 140 W



EG-AR 1000 PRO RT



EG-AR 2000 PRO RT



EG-AR 3000 PRO RT

EG-AR-PRO-RT

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Technical Data Sheet

UPS		EG-AR 1000 PRO RT		EG-AR 2000 PRO RT		EG-AR 3000 PRO RT	
Power [VA]		1000		2000		3000	
Power [W]		1000		2000		3000	
INPUT							
Rated voltage ¹⁾		110 - 300 Vac					
Frequency		44 - 66 Hz					
Power factor		> 0.99					
OUTPUT							
Rated voltage		200 / 208 / 220 / 230 / 240 Vac					
Voltage distortion		<3% with linear load, <7% with distorting load					
Voltage stability		±1 %					
Frequency		50 / 60 Hz (selectable)					
Frequency stability		±1 Hz or ±3 Hz (selectable)					
Power factor		1					
Crest factor		3:1					
Waveform		Pure sine wave					
Output sockets		3 x IEC C13		6 x IEC C13		6 x IEC C13 locked 1 x IEC C19	
EFFICIENCY							
VFI mode		Up to 93%					
ECO mode		Up to 98%					
GENERAL							
Dimensions (WxDxH) mm		440 x 454 x 88 (2U)		440 x 640 x 88 (2U)		440 x 640 x 88 (2U)	
Weight (kg)		15.8		24.4		27	
Alarms		Audible and visual alarm alerts for: power failure, low battery, Bypass transfer and UPS fault					
Protection		Overload, overheating, short circuit, deep discharge, battery overcharging					
Operating mode		Multi-mode: VFI, ECO, Constant voltage constant frequency (CVCF) output.					
Cold start from the battery without mains power		Included					
BATTERY							
Battery type		12V VRLA, AGM (maintenance-free lead)					
Number per strings		3		6			
Uptime with internal battery (in minutes)		50% load 100% load		11 3		9 2	
Charging time (90%)		5 hours					
Battery expansion module dimensions (WxDxH) mm ²⁾		440 x 454 x 88 (2U)		440 x 640 x 88 (2U)			
ENVIRONMENTAL PARAMETERS							
Operating temperature ³⁾		0 - 40°C					
Relative humidity		0% - 95% (non-condensing)					
Altitude (a.s.l.)		< 1000 m with no power derating, > 1000 m with 1% derating for every 100 m					
Audible noise at 1 m		≤50 dB					
CONNECTIVITY							
Built-in communication ports		USB, RS232, EPO and additional slots for optional cards					
User interface		LED, LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).					
Optional accessories		Cards: SNMP, RS485 ModBus and dry relay contacts					
Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware					
REGULATIONS							
Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
Marking		CE, UKCA					

- Notes:** 1) Depending on the load. Specifications subject to change without notice.
 2) Battery weight and configuration depends on the required uptime.
 3) To be verified according to the battery parameters

EG-AR-PRO-RT

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EG-AR-PRO 1000VA – 3000VA

Ideal UPS for applications that require extended battery operation. Their advanced technology maximizes battery life and ensures high efficiency.



Applications

- High-end PCs
- Workstations and servers
- Server rooms and micro data centers
- Electromedical equipment

Special applications

Medium-voltage substations and control cabinets (PLC)

We have a solution whenever you need residual battery capacity. With our firmware, you can be sure that the UPS always has enough battery capacity to be turned on again and power the load.

Benefits

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- Backup of at least 60 minutes, residual charge control in accordance with CEI 0-16.
- Easily customizable residual battery capacity.
- Cold UPS start-up.
- Battery alarm and residual backup time indicator.
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Benefits

- Option that is easy to implement on request.
- Reduces TCO by avoiding the need to over dimension the UPS and batteries to overcome long periods without power (e.g. when closing a business for holidays).
- Maximizes battery protection and life.

Features

- Online Double-conversion technology (VFI) from 1000VA to 3000VA with a power factor 1.
- Lithium battery ready.
- Flexible design offering both rack or tower installation with rotating display panel to suit.
- Easy installation.
- Low running costs with selectable high-efficiency (VFI) and ECO modes.
- Extended autonomies for maximum availability via external battery banks.
- User-friendly downloadable monitoring software supporting the main OS providing monitoring functions, diagnostics and automatic controlled shutdown of connected loads.
- Constant voltage constant frequency (CVCF) output mode offering maximum protection to sensitive loads.
- High overload capacity.
- Wide input voltage and frequency ranges reducing battery switching resulting in maximum service life.
- Configurable battery reserve percentage from 3% to 100% of available capacity.
- Real-time battery autonomy remaining available through the display.
- Two sets of IEC sockets that can be programmed separately.
- Cold start.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off with remote option.
- RS232, USB and mini slot to accept optional communication cards.
- Supplied with input and output power cables.
- Lockable IEC fitted as standard to provide additional protection against accidental disconnection of critical load.

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- External manual bypass panels with additional sockets.
- External battery cabinets.
- Lithium battery upgrade.
- 8A super charger.
- Smart Ambient Temperature Detector.
- Temperature compensation.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.

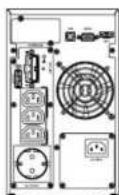
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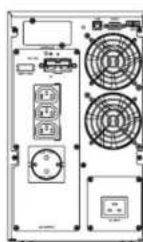
UPS EG-AR-PRO	1000 VA	2000 VA	3000 VA
UPS Power in W	1000	2000	3000
Device input power in Watts	Uptime in minutes		
52.5	> 90	> 90	> 90
105	60	90	> 90
210	33	72	> 90
315	20	50	65
455	14	33	42
595	9	21	31
700	7	18	26
900	5	15	18
1050		12	15
1225		9	13
1400		7	12
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2100			6
2700			4

Indicative input power of various devices (you are advised to check actual input power).

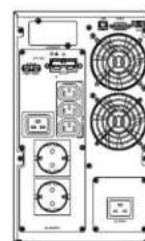
- Router 30 W • POS + Cash register 50 W • NAS 60 W • 43" TV 100 W • Inkjet printer / Scanner 180 W • Desktop PC + 21" LCD monitor 250 W • Desktop Gaming PC + 24" LCD monitor 500 W • High-end dual-processor PC + 32" LCD monitor 800 W • Rack/tower server from 300 to 1000 W • Video game console 140 W



EG-AR1000 PRO



EG-AR2000 PRO



EG-AR3000 PRO

EG-AR-PRO

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Technical Data Sheet

UPS		EG-AR1000 PRO		EG-AR2000 PRO		EG-AR3000 PRO	
Power [VA]		1000		2000		3000	
Power [W]		1000		2000		3000	
INPUT							
Rated voltage ¹⁾		110 - 300 Vac					
Frequency		44 - 70 Hz					
Power factor		> 0.99					
OUTPUT							
Rated voltage		200 / 208 / 220 / 230 / 240 Vac					
Voltage distortion		<2% with linear load, <3.5% with distorting load					
Voltage stability		±1 %					
Frequency		50 / 60 Hz (selectable)					
Frequency stability		±1 Hz or ±3 Hz (selectable)					
Power factor		1					
Crest factor		3:1					
Waveform		Pure sine wave					
Output sockets		3 x IEC C13 1 Schuko		3 x IEC C13 1 Schuko		3 x IEC C13 locked 1 x IEC C19 2 Schuko	
EFFICIENCY							
VFI mode		Up to 93%					
ECO mode		Up to 98%					
GENERAL							
Dimensions (WxDxH) mm		154 x 445 x 258.2		192 x 620 x 319.9		192 x 620 x 319.9	
Weight (kg)		14.7		24.1		26.3	
Alarms		Audible and visual alarm alerts for: power failure, low battery, Bypass transfer and UPS fault					
Protection		Overload, overheating, short circuit, deep discharge, battery overcharging					
Operating mode		Multi-mode: VFI, ECO, Constant voltage constant frequency (CVCF) output.					
Cold start from the battery without mains power		Included					
BATTERY							
Battery type		12V VRLA, AGM (maintenance-free lead)					
Number per strings		3		6			
Uptime with internal battery (in minutes)		50% load		11		9	
		100% load		3		2	
Charging time (90%)		4 – 6 hours					
Battery expansion module dimensions (WxDxH) mm ²⁾		154 x 403.6 x 258.2		192 x 552.8 x 319.9			
ENVIRONMENTAL PARAMETERS							
Operating temperature ³⁾		0 - 40°C					
Relative humidity		0% - 90% (non-condensing)					
Altitude (a.s.l.)		< 1000 m with no power derating, > 1000 m with 1% derating for every 100 m					
Audible noise at 1 m		≤50 dB					
CONNECTIVITY							
Built-in communication ports		USB, RS232, EPO and additional slots for optional cards					
User interface		LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).					
Optional accessories		Cards: SNMP, RS485 ModBus and dry relay contacts					
Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware					
REGULATIONS							
Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
Marking		CE, UKCA					

- Notes:** 1) Depending on the load. Specifications subject to change without notice.
 2) Battery weight and configuration depends on the required uptime.
 3) To be verified according to the battery parameters

EG-AR-PRO

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EG-OD – EG-OD-H 1000VA – 3000VA

When you need to prevent a service outage and ensure safety and continuity in extreme conditions, you need a robust, highly reliable UPS.



Applications

- All applications in harsh climate areas
- Industrial applications
- IT and telecoms (transmitting-and-receiving stations)
- Underground transport
- Traffic control
- Wind farms
- Electromedical equipment

Features

- Online double conversion technology (VFI) from 1000 VA to 3000 VA with a power factor of 0.9.
- Versatile: the display panel can be turned to transform the rack into a tower.
- Easy to install.
- Low running costs: the high efficiency VFI and ECO features minimize energy consumption.
- High uptime expandability.
- User-friendly monitoring software can be downloaded free and is compatible with the principle operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of blackouts.
- High overload handling capacity.
- Constant voltage constant frequency (CVCF) output mode for maximum protection of particularly sensitive loads.
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Option to set the percentage residual battery charge from 3% to 100% of the available capacity.
- The accurately calculated residual operating time is shown on the display.
- Two sets of IEC sockets that can be programmed separately.
- Cold start option without mains power.
- The firmware can be upgraded easily to implement new features.
- EPO or On/Off, with remote option.
- RS232 and USB ports, slots for optional communication cards.

Specifically for EG-OD-H

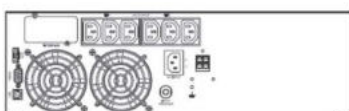
- Built to guarantee efficiency and performance from -10°C to 55°C.
- Batteries designed for extreme temperatures.



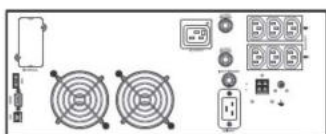
EG-OD-H single phase 1000 - 3000VA



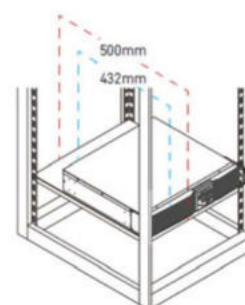
EG-OD 1000 / EG-OD 1000 H



EG-OD 2000 / EG-OD 2000 H



EG-OD 3000 / EG-OD 3000 H



Suitable for 600 mm cabinets

PMA_EG-OD_OD-H / PMA02250621

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Technical Data Sheet

UPS		EG-OD 1000 / H		EG-OD 2000 / H		EG-OD 3000 / H	
Power [VA] / [W]		1000 / 900		2000 / 1800		3000 / 2700	
INPUT							
Rated voltage	EG-OD	110/150/180-300 VAC (@-10°C~40°C Based on load percentage 0 ~ 60% / 0 ~ 75% / 0 ~ 100%)					
	EG-OD-H ¹⁾	110/150/180-300 VAC (@-10°C~40°C Based on load percentage 0 ~ 60% / 0 ~ 75% / 0 ~ 100%) (@40°C~55°C 180-300 VAC Based on load percentage 0-60%)					
Frequency		44 - 66 Hz					
Power factor		> 0.89					
OUTPUT							
Rated voltage	EG-OD	200 / 208 / 220 / 230 / 240 Vac					
	EG-OD-H	230 V, adjustable to 200/208/220/230/240(@-10°C~40°C) 230 V, adjustable to 220/230/240(@40°C~55°C)					
Voltage distortion		<3% with linear load, <6% with distorting load					
Voltage stability		±1 %					
Frequency		50 / 60 Hz (selectable)					
Frequency stability		±1 Hz or ±3 Hz (selectable)					
Power factor	EG-OD	0.9					
	EG-OD-H	-10 /+ 40 °C PF = 0.9 / +40/+55 °C PF = 0.6					
Crest factor		3:1					
Waveform		Pure sine wave					
Output sockets ²⁾		3x IEC C13		6x IEC C13		6x IEC C13 / 1x IEC C19	
EFFICIENCY							
VFI mode		Up to 92%					
ECO mode		Up to 97%					
GENERAL							
Dimensions (WxDxH) mm		440 x 405 x 88 (2U)		440 x 432 x 132 (3U)		440 x 432 x 176 (4U)	
Weight (kg) ³⁾		11.7		23		25	
Alarms		Audible and visual alarm alerts for: power failure, low battery, Bypass transfer and UPS fault					
Protection		Overload, overheating, short circuit, deep discharge, battery overcharging					
Operating mode		Multi-mode: VFI, ECO, Constant voltage constant frequency (CVCF) output.					
Cold start from bat. without mains		Included					
BATTERY							
Battery type		Sealed maintenance-free lead acid 12Vdc					
Number per strings		3		6			
Uptime with internal battery (in minutes)	50% load	14		15		12	
	100% load	5		5		4	
Charging time (90%)		4 – 6 hours					
Battery expansion module dimensions (WxDxH) mm		440 x 430 x 88(2U)		440 x 430 x 176(4U)			
ENVIRONMENTAL PARAMETERS							
Operating temperature		0 - 40°C					
Relative humidity		0% - 90% (non-condensing)					
Altitude (a.s.l.)		< 1000 m with no power derating, > 1000 m with 1% derating for every 100 m					
Audible noise at 1 m		≤50 dB					
CONNECTIVITY							
Built-in communication ports		USB, RS232, EPO and additional slots for optional cards					
User interface		LED, LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).					
Optional accessories		Cards: SNMP, RS485 ModBus and dry relay contacts					
Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware					
REGULATIONS							
Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
Marking		CE, UKCA					

Notes: 1) Battery weight and configuration depend on the required uptime.

2) EG-OD 3000 has 1 x IEC C19 lockable, while EG-OD 3000 H does not have

3) To be verified according to the battery parameters.

Specifications subject to change without notice.

EG-OD_EG-OD-H

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EG-MSIII-RT 6000VA – 10000VA

UPS EG-MSIII-RT offers the maximum available power (kVA=kW).
UPS units can be connected in parallel for power or redundancy
and are suitable for application that require greater uptime.

Applications

- Critical IT applications
- Server rooms and micro data centers
- Network, VOIP and telecommunications equipment
- Video surveillance, security and IoT devices
- Electromedical equipment
- Industrial applications

Features

- Maximum power availability: kVA=kW.
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit.
- Low running costs: the high efficiency VFI and ECO features minimize energy consumption.
- User-friendly monitoring software can be downloaded free and is compatible with the principle operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of faults.
- Cold start option without mains power.
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Flexible battery configuration to suit your uptime requirements.
- Accurate calculated remaining uptime is shown on the display.
- Hot-swappable batteries: the batteries can be replaced while the UPS is running.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off, with remote option.
- 6-step operation test that can be activated manually.
- RS232 and USB ports, slots for optional communication cards.

Key options

- Cards: RS485, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.
- Rack mounting rail kit.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

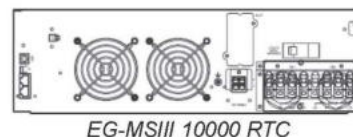
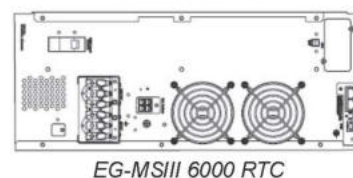
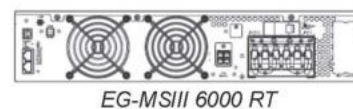
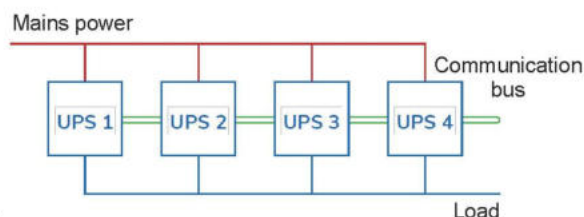
Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.

Parallel operation

Purchasing the parallel kit enables this feature, allowing the load to be shared by more than one UPS.

- Up to 4 units can be connected in parallel for a total power of 40 kVA.
- Load always protected thanks to the option of 3+1 redundancy (up to 30 kVA); in the event of a faulty UPS, it is replaced by the fourth module.
- No single point of failure thanks to the communication bus loop connection



PMA_MS-RT / PMA02250624

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Technical Data Sheet

UPS		EG-MSIII 6000RT	EG-MSIII 6000RTC	EG-MSIII 10000RT
Power [VA]		6000	6000	10000
Power [W]		6000	6000	10000
INPUT				
Rated voltage ¹⁾		110 – 280 Vac		
Frequency		45 - 70 Hz		
Power factor		> 0.99		
OUTPUT				
Rated voltage		200 / 208 / 220 / 230 / 240 Vac selectable		
Voltage distortion		≤2% with linear load, ≤7% with distorting load		
Voltage stability		±1 %		
Frequency		50 / 60 Hz (selectable)		
Frequency stability		≤0.2% (free running)		
Power factor		1		
Crest factor		3:1		
Waveform		Pure sine wave		
Output connection		Terminal blocks		
EFFICIENCY				
VFI mode		Up to 94%		
ECO mode		Up to 98%		
GENERAL				
Dimensions (WxDxH) mm		440 x 680 x 88	440 x 680 x 176	440 x 680 x 132
Weight (kg)		18.5	60	21.5
Alarms		Audible and visual alarm alerts for: power failure, low battery, Bypass transfer and UPS fault		
Protection		Overload, overheating, short circuit, deep discharge, battery overcharging		
Operating mode		Multi-mode: VFI, ECO, frequency converter (CVCF)		
Cold start from the battery without mains power		Included		
Parallel connection		Up to 4 units for 3+1 redundancy		
BATTERY				
Battery type		12V VRLA, AGM (maintenance-free lead)		
Uptime with battery (in minutes)	50% load	Depends on the external battery cabinets	7	Depends on the external battery cabinets
	100% load		3	
Charging time (90%)		4 hours		
Battery expansion module dimensions (WxDxH) mm ²⁾		440 x 685 x 132 (3U)	440 x 685 x 88 (2U)	440 x 685 x 132 (3U)
ENVIRONMENTAL PARAMETERS				
Operating temperature ³⁾		0 - 40°C		
Relative humidity		0% - 90% (non-condensing)		
Altitude (a.s.l.)		< 1000 m with no power derating, > 1000 m with 1% derating for every 100 m		
Audible noise at 1 m		≤60 dB		
CONNECTIVITY				
Built-in communication ports		USB, EPO, remote On/Off contact and additional slots for optional cards		
User interface		LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).		
Optional accessories		Cards: SNMP, RS485 ModBus, dry relay contacts		
Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware		
REGULATIONS				
Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3		
Marking		CE, UKCA		

Notes: 1) Depending on the load. Specifications subject to change without notice.
 2) Battery weight and configuration depend on the required uptime.
 3) To be verified according to the battery parameters.

EG-MSIII-RT

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EG-MSIII-Tower 6000VA – 10000VA

UPS EG-MSIII-Tower offers the maximum available power (kVA=kW).
UPS units can be connected in parallel for power or redundancy
and are suitable for application that require greater uptime.



Applications

- Critical IT applications
- Server rooms and micro data centers
- Network, VOIP and telecommunications equipment
- Video surveillance, security and IoT devices
- Electromedical equipment
- Industrial applications

Features

- Maximum power availability: kVA=kW.
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit.
- Low running costs: the high efficiency VFI and ECO features minimize energy consumption.
- User-friendly monitoring software can be downloaded free and is compatible with the principle operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of faults.
- Cold start option without mains power.
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Flexible battery configuration to suit your uptime requirements.
- Accurate calculated remaining uptime is shown on the display.
- Hot-swappable batteries: the batteries can be replaced while the UPS is running.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off, with remote option.
- 6-step operation test that can be activated manually.
- RS232 and USB ports, slots for optional communication cards.

Key options

- Cards: RS485, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

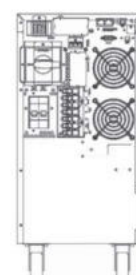
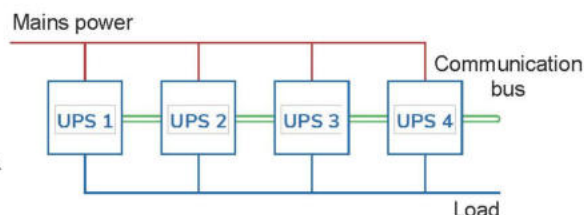
Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.

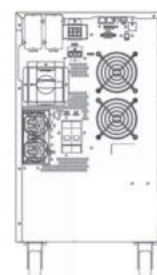
Parallel operation

Purchasing the parallel kit enables this feature, allowing the load to be shared by more than one UPS.

- Up to 4 units can be connected in parallel for a total power of 40 kVA.
- Load always protected thanks to the option of 3+1 redundancy (up to 30 kVA); in the event of a faulty UPS, it is replaced by the fourth module.
- No single point of failure thanks to the communication bus loop connection



EG-MSIII 6000



EG-MSIII 10000

PMA_MS / PMA02250623

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Technical Data Sheet

UPS		EG-MSIII 6000		EG-MSIII 10000	
Power [VA]		6000		10000	
Power [W]		6000		10000	
INPUT					
Rated voltage ¹⁾		110 – 280 Vac			
Frequency		45 - 70 Hz			
Power factor		> 0.99			
OUTPUT					
Rated voltage		200 / 208 / 220 / 230 / 240 Vac selectable			
Voltage distortion		≤2% with linear load, ≤7% with distorting load			
Voltage stability		±1 %			
Frequency		50 / 60 Hz (selectable)			
Frequency stability		≤0.2% (free running)			
Power factor		1			
Crest factor		3:1			
Waveform		Pure sine wave			
Output connection		Terminal blocks			
EFFICIENCY					
VFI mode		Up to 94%			
ECO mode		Up to 98%			
GENERAL					
Dimensions (WxDxH) mm		240 x 700 x 513		288 x 700 x 513	
Weight (kg)		59		78	
Alarms		Audible and visual alarm alerts for: power failure, low battery, Bypass transfer and UPS fault			
Protection		Overload, overheating, short circuit, deep discharge, battery overcharging			
Operating mode		Multi-mode: VFI, ECO, frequency converter (CVCF)			
Cold start from the battery without mains power		Included			
Parallel connection		Up to 4 units for 3+1 redundancy			
BATTERY					
Battery type		12V VRLA, AGM (maintenance-free lead)			
Uptime with internal battery (in minutes)	50% load	12		11	
	100% load	4		4	
Charging time (90%)		4 – 6 hours			
Battery expansion module dimensions (WxDxH) mm ²⁾		288 x 663 x 661			
ENVIRONMENTAL PARAMETERS					
Operating temperature ³⁾		0 - 40°C			
Relative humidity		0% - 90% (non-condensing)			
Altitude (a.s.l.)		< 1000 m with no power derating, > 1000 m with 1% derating for every 100 m			
Audible noise at 1 m		≤60 dB			
CONNECTIVITY					
Built-in communication ports		USB, RS232, EPO, remote On/Off contact and additional slots for optional cards			
User interface		LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).			
Optional accessories		Cards: SNMP, RS485 ModBus, dry relay contacts			
Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware			
REGULATIONS					
Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3			
Marking		CE, UKCA			

Notes: 1) Depending on the load. Specifications subject to change without notice.
 2) Battery weight and configuration depend on the required uptime.
 3) To be verified according to the battery parameters.

EG-MSIII-Tower

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