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**MASTER
GUARD**

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MKA4LOUKE

**Series E and
Series E-19**
6 kVA and 10 kVA



UNINTERRUPTIBLE POWER SUPPLY

Series E and Series Ei-19

The Range

MASTERGUARD's Series E and Series Ei-19 family is available in 6 kVA and 10 kVA single-phase output tower and rack units. Series E 10 kVA 1/1 & 3/1 tower units are single-phase output and single- or three-phase input, obtainable via auto selection. Incorporating modern double conversion technology, attractive design and multiple system integration capabilities, the Series E family offers the most efficient all-round protection against all types of disturbances and problems in the mains supply system.

Leading Technology

Series E uses double conversion technology to provide a secure power architecture for your mission critical applications. This option ensures the highest level of voltage and frequency regulation and may be the only practical alternative for environments where the quality of the mains electricity is low.

Reliability

Series E can provide the security of a truly redundant parallel system, offering the highest degree of reliability for mission critical loads and applications. User replaceable batteries allow the simple swap out of batteries without interruption to the secured system.

Flexibility

The optional additional battery charger means Series E delivers extended autonomies making the UPS ideal for industrial applications and those environments with a requirement for longer run times.

Communication

The front panel features an attractive seven language LCD display which communicates the latest information on the UPS operating status, facilitating UPS control and monitoring. Series E is fully compatible with MASTERGUARD's Connectivity suite facilitating power management for IT and network managers.

Monitoring

The Series E family is fully compatible with LIFE, MASTERGUARD's remote monitoring tool. LIFE is the nearest thing to having a MASTERGUARD engineer permanently onsite and provides:

- Continuous real-time UPS monitoring
- Automatic transmission of daily status reports
- Real-time diagnosis of all UPS operating parameters
- Remote fix capability
- Monthly UPS operational status reports
- Unique ETS function for trouble shooting the most common operating anomalies
- Power quality monitoring to effectively manage power disturbance trends

Applications

- Network & VoIP Protection/departamental information systems in decentralised environments
- Medical Equipment - IT Systems, diagnostic equipment, clinical laboratories and monitoring support systems
- Industrial environments such as process control equipment
- LAN / WAN Servers & IT rooms
- Emergency lighting
- Bank branches

Secure Power Always

Supplying you with a UPS alone will never deliver the level of business continuity you require. MASTERGUARD offers a range of maintenance plans which will:

- Help deliver reliability to your load
- Extend the life of your power protection equipment
- Optimise your capital expenditure
- Provide risk management at a fixed cost
- Help to control your business environment
- Generate a pro-active approach to disaster recovery.

Contact your local MASTERGUARD sales office for more information.

Delegate your power management to the experts.

Series E	6/11	10/11	10/31
INPUT			
Number of phases	1	1	3+N
Voltage (V)	230	230	400
Tolerance (V)	176-276	176-276	304-478
Frequency (Hz)		50/60	
Power factor	>0.97	>0.97	>0.95
OUTPUT			
Number of phases		1	
Voltage (V)		220/230/240	
Frequency (Hz)		50/60	
Power factor		0.7	
Static output voltage stability for input AC/DC voltage variations within limits and 100% load variations		±2	
Output harmonic distortion		IEC/EN 62040 - 3 Compliant	
GENERAL			
Operating temperature (°C)		0 - 40	
Colour		RAL 7016	
Max. noise levels at 1 metre (dBA)		<50	
AC/AC efficiency (%)		92	
Standard communication interfaces		1 x RS 232	
Dimensions			
Height (mm)		800	
Width (mm)		300	
Depth (mm)		675	
UPS weight (kg) (without batt.)	51	54	54
UPS weight (kg) (with internal batt.)	107	110	110

Series E-19	6/11	10/11
INPUT		
Number of phases	1	1
Voltage (V)	230	230
Tolerance (V)	176-276	176-276
Frequency (Hz)	50/60	50/60
Power factor	>0.97	>0.97
OUTPUT		
Number of phases	1	1
Voltage (V)	220/230/240	220/230/240
Frequency (Hz)	50/60	50/60
Power factor	0.7	0.7
Static output voltage stability for input AC/DC voltage variations within limits and 100% load variations	±2	±2
Output harmonic distortion	EN 62040 - 3 Compliant	
GENERAL		
Operating temperature (°C)	0 - 40	0 - 40
Colour	RAL 7016	RAL 7016
Max. noise levels at 1 metre (dBA)	< 50	< 50
AC/AC efficiency (%)	92	92
Standard communication interfaces	1 x RS 232	1 x RS 232
Dimensions		
Height (HU)	3U	3U
Width	19"	19"
Depth (mm)	660	660
UPS weight (kg)	24.5	27