

Universal, modular power supply Cameleon of 110Vdc, 220Vdc output voltage

ZM

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APPLICATION

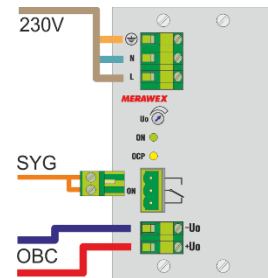
- power generation
- railways
- power stations
- industrial automation
- telecommunication
- emergency signaling
- uninterruptible power systems for battery cooperation
- security and control systems



Model	Output voltage	Maximum output current
ZM110V5A-600-00	110V	5A
ZM220V2.5A-600-00	220V	2,5A
ZM110V5A-600R-10	110V	5A
ZM220V2.5A-600R-10	220V	2,5A

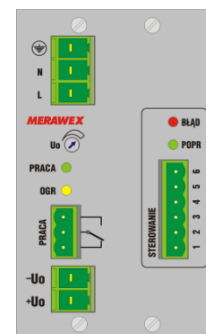
FEATURES AND FUNCTIONS

- powered with the 230Vac and 220Vdc voltage
- LED signalization of correct operation and current limitation
- relay indication of correct operation (three dry relay contacts available)
- all inputs and outputs on front panel
- three-stage output voltage switch available from bottom
- additional output voltage regulation within $\pm 5\%$ - accessible on the front panel
- PFC



POWER SUPPLY (R VERSION) FOR PARALLEL OPERATION WITH CONTROL FUNCTION

- possibility of cooperation of up to 15 units without use of additional external circuits (e.g. LED branching filter) to increase power or reliability (redundancy)
- equal distribution of the charging current between connected power supplies
- possibility to replace module under voltage ^[1] (hot swap)
- optical signalization of faulty and correct parallel operation
- control socket
- possibility to connect external voltage regulation system (e.g. potentiometer or active temperature sensor)



COMPLIANCE WITH SAFETY REQUIREMENTS, DIRECTIVES, EU REGULATIONS

- 2014/35/EU [LVD] Low voltage electrical devices.
- 2014/30/EU [EMC] EMC Compatibility.
- 2011/65/EU [RoHS 2] Requirements for the restriction of the use of certain hazardous substances.

¹ Without an active system to limit the transient output current



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BASIC PARAMETERS

Input parameters		General	
Frequency	47...53Hz	Efficiency	up to 87%
Power factor	0,95	Working temperature range	-33...+70°C
Input voltage	184...230...253Vac 165...220...297Vdc	Protection degree	IP20
Output parameters		Compliance with standards	
Characteristics	UPI	Construction	T-83101
		Electrical safety	EN 60950-1 + A1 kl. I EN 61204-7
Output voltage regulation	0,5%	Radio-disturbances	EN 55022 class B
		EMC immunity	EN 50130-4 EN 61204-3 EN 61000-4-2,3,4,5,6,11
		EMC emission	harmonic EN 61000 – 3-2 + A1 + A2 flickers EN 61000 – 3-3

REMARKS

There is the possibility to order a special version e.g.:

ZM110V4A-400-00-110 with the input voltage of 110Vdc

MANUFACTURER

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Certificates ISO 9001 and 14001

Technical Data Sheet: K93_ZM110-220V+R_17.04.2018_EN

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The manufacturer reserves the right to introduce changes without notice

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