



**CREATION OF THE POWER SUPPLY INDEX – HOW TO ORDER**

**ZM** designation of the power supply series  
**12V, 24V, 48V** nominal output voltage  
**10A** nominal output current: value depending on the construction and the output voltage (please, see the table)  
**151, 300, 600** construction discriminant due to the output power  
**A** functions: **A** – battery supervision

Examples: **ZM12V10A-151A, ZM24V12A-300A**

**BASIC PARAMETERS**

Input parameters		General	
Frequency	47...53Hz	Efficiency	up to 87%
Power factor	0,98 <sup>1</sup>	Working temperature range	-25 ÷ 55°C
Input voltage	184... <u>230</u> ...253Vac 165 (187 <sup>2</sup> )... <u>220</u> ...297Vdc	Ingress protection	IP20 EN 60529 + A1
Output parameters		Compliance with standards	
Characteristics	UPI	Functionality	EN 61204 + A1
Output voltage regulation	0,5%	Electrical safety	EN 60950-1 + A1 Class I EN 61204-7
Floating mode voltage for a cell at +25°C	2,20... <u>2,25</u> ...2,40V	Electromagnetic interferences	EN 55022 Class B
Bulk charging voltage at +25°C	2.36V / cell	EMC immunity	EN 61204-3 EN 61000-4-2,3,4,5,6,11
Output voltage range	10.2...14.4V 20.4...28.8V 40.8...57.6V	EMC emissions	EN 61000-3-2 + A1 + A2 EN 61000-3-3
Temp. compensation factor	-4mV / °C / cell		

<sup>1</sup> 0,65 for the ZM151 power supplies

<sup>2</sup> voltage of 187V in the case of the models without the PFC, i.e.: with the discriminant 151

**MANUFACTURER**

**MERAWEX Sp. z o.o.**

8 Toruńska St., 44-122 Gliwice, Poland

NIP 631-000-04-40

[www.merawex.com.pl](http://www.merawex.com.pl)

[merawex@merawex.com.pl](mailto:merawex@merawex.com.pl)

tel. +48 32 23 99 400

fax +48 32 23 99 409



Catalogue Card: K120 ZM-A\_06.12.2017\_EN

Last update: 6 December 2017

The manufacturer reserves the right to introduce changes without notice