

## *Technical Data MIZAR series*

<b>MODEL</b>	<b>BM-2.20</b>	<b>BM-3.20</b>	<b>BM-4</b>	<b>BM-5</b>	<b>BM-6</b>	<b>BM-7</b>	<b>BM-10</b>
Power - kVA	2	3	4	5	6.5	7.5	10
<b>Input</b>							
Phases	1-Ph						
Voltage	220 / 230 / 240 V $\pm$ 20% (100 / 110 / 115 / 120 / 127 V on request)						
Frequency	50 / 60 Hz $\pm$ 5%						
<b>Output</b>							
Wave-form	SINE WAVE						
Harmonic distortion	$<$ 2%						
Crest factor (non-linear load 75%)	2 : 1						
Voltage	220 / 230 / 240 V $\pm$ 1% (100 / 110 / 115 / 120 / 127 V on request)						
Frequency	50 / 60 Hz $\pm$ 0.2%						
Overload	125% for 10 min, 150% for 1 min, 200% for 0.1 sec.						
Efficiency (AC-AC)	$>$ 92%						
Static switch mains-ups	Transfer time $<$ 2 ms						
<b>Batteries</b>							
Type	Sealed lead-acid (NiCd on request)						
No. batteries	10 (12 V 7 Ah)	13 (12 V 7 Ah)	13 (12 V 12 Ah)	16 (12 V 12 Ah)	20 (12 V 12 Ah)	13 (12 V 18 Ah)	13 (12 V 27 Ah)
Vdc voltage	120	156		192	240	156	
Restored energy time	4 hours for 90% charge level						
Stored energy time - min	20						
<b>Protections</b>	Overload, overtemperature, min/max battery voltage, min/max input voltage, min/max inverter voltage, synchronism						
Short-circuit	With electronic protection						
EMI Suppression	EMI/RFI Filter						
<b>Signals</b>							
LED	Mains, Output, Battery, Overload, Fault					On, Stand-by, Fault	
Display	Optional					Standard	
Acoustic	Battery mode, low battery, overload, overtemperature, fault						
Computer interface	RS232 - RS485 - SNMP - CAN (optional)						
<b>Environmental</b>							
Temperature	$0^{\circ}\text{C} \div 50^{\circ}\text{C}$						
Non-condensing humidity	$0\% \div 95\%$						
Noise (at 1 m)	$<$ 60 dBA						

Protection rating	IP20						
<b>Dimensions</b>							
W x D x H - mm	270 x 630 x 730		450 x 620 x 730			800 x 400 x 1250	
<b>Weight - kg</b>	70	90	110	130	160	190	230
<b>UPS Classification according EN 62040-3</b>	Class VFI						
<b>CE Marking</b>	2014/30/EU; 2014/35/EU						
<b>Compliance with the standards</b>	UPS: EN 60146-1-1, EN 62040-1-1, EN 62040-1-2, EN 62040-2, EN 62040-3, EN 60742; EMC: 2014/30/EU; Low voltage: 2014/35/EU						



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