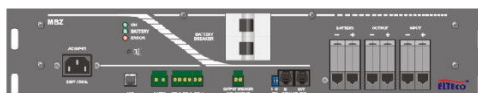
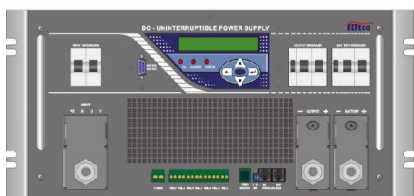


DC BACK-UP POWER SUPPLIES OF BZ SERIES - NEW GENERATION (3,4 kW; 6,8kW)



MBZ125xxxR

Basic characteristics

- Processor control on DSP basis
- PFC – Power Factor Corrector of input mains
- Setting of the output voltage and current of wide range
- Charging and keeping of the optimal voltage of the accumulators
- Charging characteristics U_o , I_{Uo} , I_{UUo} , USER
- Charging characteristic programmable by the USER (in 10 points)
- Control panel with LCD display 2 x 24 characters
- 7 signalling relays
- Easy maintenance
- Communication with Master PC or another module
- Thermal compensation of charging
- Protection against wrong connection of battery and over voltage
- Modular design
- Resistance against short circuit
- Double-pole output protection
- Power supplies with higher power output can be obtained by parallel connection of DN chargers and MBZ125xxxR module

Single module back-up supplies (5U rack)

TYPE	$U_{OUT.NOM.}$ [V]	$U_{OUT.MAX.}$ [V]	$I_{OUT.}$ [A]	No. of input mains phases	Dimensions W x H x D [mm]	Weight [kg]
BZ045060R	60	75	45	1	483 x 222 (5U) x 445	17
BZ025110R	110	135	25	1	483 x 222 (5U) x 445	17
BZ013220R	220	260	13	1	483 x 222 (5U) x 445	17

Double module back-up supplies (5U rack)

TYPE	$U_{OUT.NOM.}$ [V]	$U_{OUT.MAX.}$ [V]	$I_{OUT.}$ [A]	No. of input mains phases	Dimensions W x H x D [mm]	Weight [kg]
BZ090060R	60	75	90	2 ⁺	483 x 222 (5U) x 445	23
BZ050110R	110	135	50	2 ⁺	483 x 222 (5U) x 445	23
BZ026220R	220	260	26	2 ⁺	483 x 222 (5U) x 445	23

+ device can be also powered by 1 phase

BZ cabinet systems with higher power output

System	$U_{OUT.NOM.}$ [V]	$U_{OUT.MAX.}$ [V]	$I_{OUT.}$ [A]	No. of input mains phases
MBZ125110R+DN1027R	110	135	75	3*
MBZ125110R+2xDN687R	110	135	100	3*
MBZ125220R+xDN1028R	220	260	39	3*
MBZ125220R+2xDN688R	220	260	52	3*
MBZ125220R+2xDN1028R	220	260	78	3*
MBZ125220R+3xDN1028R	220	260	117	3*

* device can be also powered by 1 phase

Parameter		Type	BZ045060R (BZ090060R)	BZ025110R (BZ050110R)	BZ013220R (BZ026220R)
INPUT	Nominal input voltage	(2 x 230 Vac) 1 x 230 Vac			
	Input voltage range	170 ÷ 265 Vac*			
	Max. input current	(2 x 19 A) 1 x 19 A			
	Input voltage frequency	45 ÷ 65 Hz			
	Protection – input	(2 x B20 A) 1 x B20 A			
	Power factor	0,99			
OUTPUT	Nominal output voltage	60 V	110 V	220 V	
	Output voltage range	10÷75 V	10÷135 V	10÷260 V	
	Static stability (power supply mode)	+/-1,5 %			
	Nominal power	(6 800 W) 3 400 W			
	Max. output current *) Power is gradually lowered below 195 Vac in dependence on output current level.	45A (90A)	25A (50A)	13A (26A)	
	Output protection	50A (100A)	32A (63A)	16A (32A)	
	Efficiency	typ. > 90%			
BATTERY	Battery protection	50A (100A)	32A (63A)	16A (32A)	
	Type	any type (Pb, NiCd, ...)			
	Charging time of 100% discharged battery (typ.)	10 hours			
	Charging characteristics	IUUo, IUo, Uo, possibility of setting by user (This characteristic is adjustable by communication software).			
INSULATION STRENGTH	Input – earth	2100 V DC		2100 V DC	
	Output – earth	1000 V DC		2100 V DC	
	Input – output	4200 V DC		4200 V DC	
	Earth – signalling connectors	700 V DC		700 V DC	
	Input, output–signalling connectors	4200 V DC		4200 V DC	
ENVIRONMENT	Operating temperature range	0°C ÷ +40°C			
	Storage temperature range	-25°C ÷ +70°C			
	Operating rel. humidity	max. 80%			
	Storage relative humidity	max. 90%			
	Ambient conditions	without aggressive chemical effects			
	IP protection	IP20			
Noise level	< 60 dB / 1m				
Standards	EMC: STN EN 61204-3 Safety: STN EN 60950+A1+A2+A3				