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a Progility company

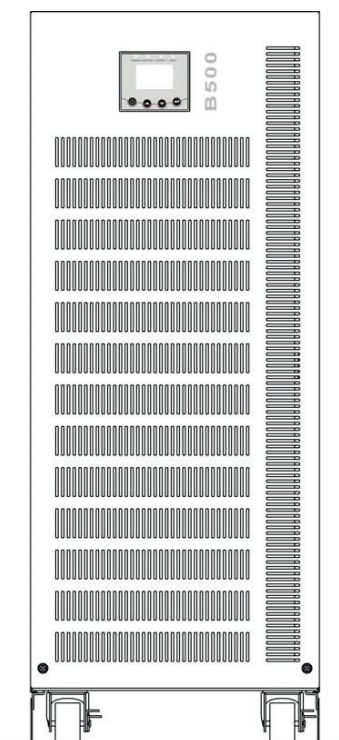
Powering Healthcare

+44 (0)20 8868 3732

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TECHNICAL DATA SHEET B500EVO 10 - 20kVA

* Safety	
IEC/EN 62040-1-1	
* EMI	
Conducted Emission.....:IEC/EN 62040-2	Category C3
Radiated Emission.....:IEC/EN 62040-2	Category C3
*EMS	
ESD.....:IEC/EN 61000-4-2	Level 3
RS.....:IEC/EN 61000-4-3	Level 3
EFT.....:IEC/EN 61000-4-4	Level 4
SURGE.....:IEC/EN 61000-4-5	Level 4
Low Frequency Signals.....:IEC/EN 61000-2-2	
Warning: This is a product for commercial applications. If used in an industrial environment extra precautions may be required.	



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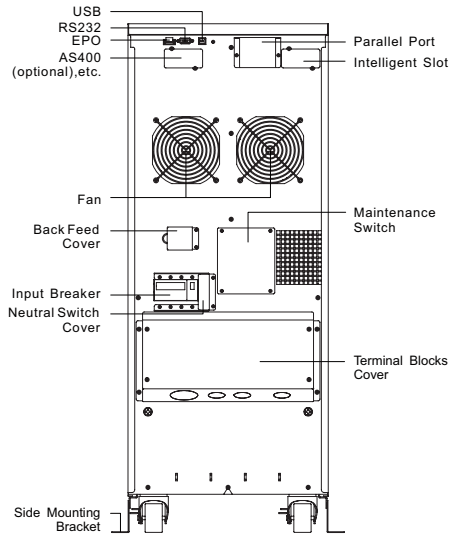
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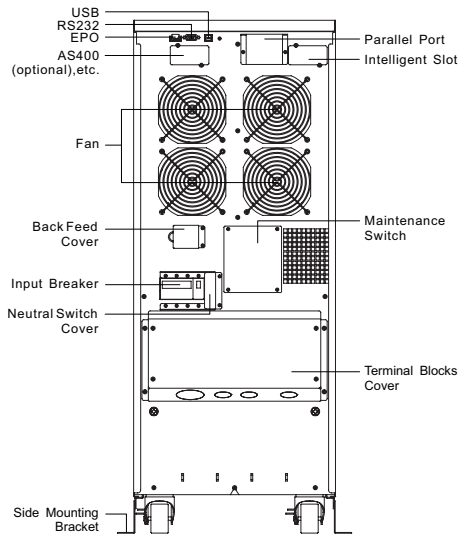
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Fig. 3-1 the front view of B500EVO-100-B/ B500EVO-200-B



B500EVO-100-B REAR VIEW



B500EVO-200-B REAR VIEW

Fig. 3-2 the rear view of B500EVO-100-B/ B500EVO-200-B



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Model		B500EVO-100-B	B500EVO-200-B
Power Rating		10KVA/9KW	20KVA/18KW
Frequency (Hz)		50/60	
Input	Voltage	(110-276)VAC (Depends on Load Level)	
	Current	L1/L2/L3: 23A MAX	L1/L2/L3: 46A MAX
Battery	Voltage	288VDC	
	Current	43A MAX	86A MAX
Output	Voltage	200*VAC/208VAC/220VAC/230VAC/ 240VAC	
	Current	45A/48.1A/45.5A/43.5A/41.7A	90A/96.2A/90.9A/87.0A/83.3A
Dimension (WxDxH) mm		350x650x890	
Net Weight (kg)		127	188
Input			
Model		Voltage	Frequency
B500EVO-100-B B500EVO-200-B		Three-phase	50/60 Hz±10% >0.99(@Full load)

Output					
Voltage Regulation	Power Factor	Frequency tolerance.	Distortion	Overload capacity	Current crest ratio
±1%	0.9 lag	Synchronized 50/60Hz±10% in Line mode (AC mode) ±0.1% of normal frequency in Battery mode	THD<2% Full load (Linear Load)/ ≤5% for reference non-linear load	100%-110% load transfers to Bypass mode after 5 minutes 110%-130% load transfers to Bypass mode after 1 minutes 130%-150% load transfers to Bypass mode after 10 second ≥150% load transfers to Bypass mode after 2 second	3:1

Temperature	Humidity			Altitude			Storage temperature		
0°C-45°C	<95%			<1000m			-15°C-50°C		
Altitude (M)	1000	1500	2000	2500	3000	3500	4000	4500	5000
Maximum Power	100%	95%	91%	86%	82%	78%	74%	70%	67%



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