



# starkstrom

a Progilify company

Powering Healthcare

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www.starkstrom.com

## TECHNICAL DATA SHEET B500 6 - 10kVA

### GENERAL INFORMATION

MODEL		B500-6kVA	B500-10kVA
<b>INPUT</b>			
Input voltage window	V ac	110 – 276	
THDi (with 100% load)	%	< 5	
Input power factor (with 100% load)		≥ 0.99	
Input frequency range	Hz	45-55 / 54-66	
Generation set sizing		1.5 x UPS Rating Power	
<b>OUTPUT POWER</b>			
Power max	kVA	6.0	10.0
Power max	kW	5.4	9.0
Power factor		0.6 - 1 (Flexible)	
<b>OUTPUT VOLTAGE</b>			
Waveform		Pure Sine Wave	
Nominal voltage	V ac	208* / 220 / 230 / 240 (*de-rate to 90% with 208V AC output voltage)	
Voltage regulation	%	± 1	
Transient recovery	ms	100 (IEC 62040-3 Non-linear load)	
Transient response (0%-100%-0%, r)	%	± 6	
Transient response (20%-100%-20%, r)	%	± 2	
Voltage distortion	%	< 2 THD, linear load	
		< 5 THD, non-linear load	
<b>OUTPUT FREQUENCY</b>			
Synchronization range	Hz	45-55 / 54-66	
Slew rate	Hz/s	1	
Battery mode	Hz	50 / 60 (± 0.1)	



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MODEL		B500-6kVA	B500-10kVA
<b>TRANSFER TIME</b>			
Inverter mode to battery mode	ms	0	
Inverter Mode to ECO Mode	ms	0	
Full load efficiency (eco mode)	%	> 96	
Overload capability (normal & battery mode)	%	125 for 2 minutes 150 for 30 seconds > 150 for 1 second	
Crest ratio		3:1	
Parallel		UP to 4 units for capacity or redundancy	
<b>BYPASS</b>			
Static internal bypass		Yes	
Manual internal bypass		Yes	
<b>BATTERY</b>			
DC voltage	V DC	240	
Blocks	VDC/Ah	20	
Charging current (max)	A	8.0	
Temperature compensation by hardware based on circumstance temperature	mV / degree / cell	-3 (based on 25°C)	
<b>FEATURES</b>		<p>ECO Mode; EPO Connection; Dual Communication; Auto De-rating; Battery Capacity Calculation; Maintenance Bypass Switch; Fan Speed Control; Frequency Converter Mode**            USB Connectivity; Electronic Bypass Interlock; Programmable Relay Standard; Cold Start; Intelligent Smart slot for optional            SNMP / Relay Card / MODBUS</p> <p>(**De-rate to 60% during Frequency Converter Mode automatically)</p>	
<b>INDICATOR &amp; ALARM</b>			
Display		Smart LCD Display	

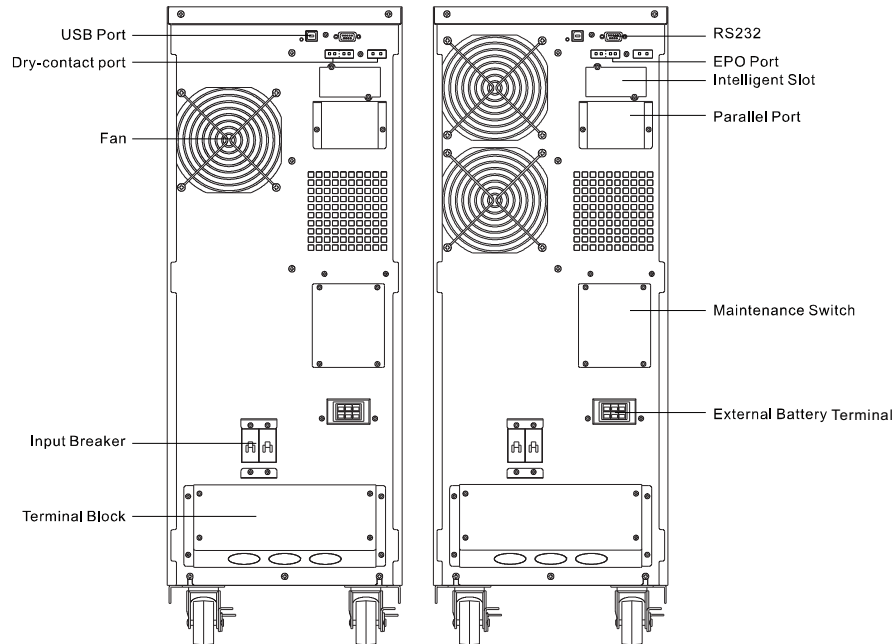


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MODEL		B500-6kVA	B500-10kVA
<b>MECHANICAL</b>			
Net Weight	Kg	34	37
Dimensions	mm	W=260 D=550 H=708	
Operating Temperature Range	°C	0 ~ 40 (Note: Optimum battery temperature is 20°C)	
Relative Humidity	%	0 ~ 95 (No condensing)	
Audible Noise	dB	< 50 at front 1m	
<b>REGULATIONS</b>			
ESD		IEC 61000-4-2 Level 4	
RS		IEC 61000-4-3 Level 3	
EFT		IEC 61000-4-4 Level 4	
Surge		IEC 61000-4-5 Level 4	
Conduction / Radiation		IEC 62040-2 Category C3	
Safety		IEC 62040-1-1	
Transportation		ETS 300019-2-2 Class 2.3	
Protection		IP20 (static)	



**B500-060-B(C) B500-100-B(C)**