

ALFA3000 SERIES

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◆ 3/3 SERIES 200-650KVA IGBT RECTIFIER ONLINE UPS

GENERAL SPECIFICATIONS

- Transformer less UPS topology
- Low input current total harmonic distortion (THD)
- High input power factor
- Static and maintenance by-pass switch
- Output short circuit and overload protection
- High efficiency to 94%
- 512 events memories (512 events 45000 alarms)
- Selectable input/output colt age/frequency/range
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system (optional)
- 2 RS232 serial ports and 12 dry contact outputs
- Cold start function
- External REPO switch input
- Clock and calendar (battery supported)
- 3 DSP controlled modular structure
- Optional SNMP and MODBUS adaptors
- Optional graphical panel
- Optional usb flash memory
- Full digital structure
- Small footprint



TECHNICAL SPECIFICATONS							
MODEL	ALFA3200	ALFA3250	ALFA3300	ALFA3400	ALFA3500	ALFA3550	ALFA3650
Power(kVA)	200	250	300	400	500	550	650
INPUT							
Voltage	380/400VAC 3P + N + G ± 20% (415 VAC +15%, -25% optional)						
Frequency	50Hz / 60Hz, ± 5%						
Power factor (100% load)	≥ 0.99						
(THDI) (*)	≤ 3%						
By-pass voltage	380/400 VAC 3P + N, 4 Wires, ± 10%						
Voltage distortion	≤ 10%						
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator						
OUTPUT							
Power (kW)	180	225	270	360	400	495	585
Power factor	0,9			0,8			
Voltage	380/400VAC 3 Phase + N, ± 1% (415 optional)						
Frequency	50Hz / 60Hz						
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%						
Efficiency	up to 95%						
Crest factor	3:1						
Overload protection	100% -125% load: 10 min, 125% -150% load: 1 min, -> 150% load: by pass						
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting						
Voltage THD	< 3% (at 100% linearload)						
BATTERIES							
Type	VRLA AGM / GEL / NiCad						
Nominal voltage	± 360 VDC (2x30 batteries)						
Float/End discharge vol	± 405 VDC / ± 300 VDC						
Battery cabinet	External						
Battery ambient temp.	25°C						
Protections	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)						
Automatic testing	Standard every 72 hours (adjustable)						
GENERAL							
Standards	EN62040-1, EN62040-2, EN62040-3						
User interface	TFT panel, 5 vector buttons, Buzzer						
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time						
Advanced Communication	Self-diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter						
Inputs	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays						
Genset kit	EPO input, Interactive battery panel input, Genset input						
Software	Standard (programmable)						
Alarm logging	Standard T-MonUPS Management Software (3 clients + 1 server management)						
Protections	Standard: with time&date 512 events						
Temperature range	Power module over-temperature, over current, Temperature high alarm						
Protection degree	0°C -40°C						
Relative humidity	IP20						
Altitude	90% max. (non-condensing)						
Acoustic noise	< 68 dBA			< 72 dBA			
Weight without batteries	482	550	638	737	780	1452	
Dim. (mm) HxWxD	1900x880x775		1900x1250x775		2040x1250x840		1940x1610x1050
OPTIONS							
Special in/output volt.	Please ask						
Transformer	Galvanic isolation transformer at the input & output						
Software	T-MonAdmin Multi UPS monitoring 10-50-100-200clients, T-MonServer 50-100-200clients						
Adaptors	SNMP, RS485, MODBUS (RS485 or TCP/IP), USB Alarm Logger, TCP/IP, GSM/GPRS Modem, Comport multiple						
Parallel operation	up to 8						