

ALFA3000 SERIES

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◆ 3/3 SERIES 10-160KVA IGBT RECTIFIER ONLINE UPS

GENERAL SPECIFICATIONS



- ◆ Transformer less UPS topology
- ◆ Low input current total harmonic distortion (THD)
- ◆ High efficiency up to 94%
- ◆ Static and maintenance by-pass switch
- ◆ Output short circuit and overload protection
- ◆ High input power factor

- ◆ Automatic battery test, remaining battery time indicator
- ◆ Selectable input/output voltage/frequency/range
- ◆ Temperature compensated charge system (optional)
- ◆ 2 RS232 serial ports and 12 dry contact outputs
- ◆ 192 events memories (192 events 4500 alarms)

- ◆ Cold start function
- ◆ 3 DSP controlled modular structure
- ◆ External REPO switch input
- ◆ Clock and calendar (battery supported)
- ◆ Optional SNMP and MODBUS adaptors
- ◆ Optional graphical panel
- ◆ Optional usb flash memory
- ◆ Full digital structure

- ◆ Small footprint

TECHNICAL SPECIFICATIONS											
MODEL	ALFA3010	ALFA3015	ALFA3020	ALFA3030	ALFA3040	ALFA3060	ALFA3080	ALFA3100	ALFA3120	ALFA3160	
Power (kVA)	10	15	20	30	40	60	80	100	120	160	
INPUT											
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15% , -25% optional)										
Frequency	50Hz / 60Hz, ± 5%										
Power factor (100load)	≥ 0.99										
(THDI) (*)	≤ 3%										
By-pass voltage	380/400 VAC 3 Phase + N, 4 Wires, ± 10%										
Voltage distortion	≤ 10%										
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequence indicator										
OUTPUT											
Power (kW)	9	13,5	18	27	36	54	72	90	108	144	
Power factor	0,9										
Voltage	380/400VAC 3P + N, ± 1% (415 VAC optional)										
Frequency	50Hz / 60Hz										
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%										
Efficiency	Up to 94%										
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										
Float-End discharg volt.	± 405 VDC / ± 300 VDC										
Battery cabinet	Internal							External			
Battery temperature	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	4 lines LCD panel, Mimic leds, 5 vector buttons, Buzzer, Optional TFT panel										
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time										
Advanced	Self-diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hrs meter										
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays										
Inputs	EPO input, Interactive battery panel input, Genset input										
Genset kit	Standard (programmable)										
Software	Standard T-MonUPS Management Software (3 clients + 1 server management)										
Alarm logging	Standard: with time date 512 events										
Protections	Power module over-temperature, over current, Temperature high alarm										
Temperature range	0°C -40°C										
Protection degree	IP20										
Relative humidity	90% max. (non-condensing)										
Acoustic noise	< 57dBA			< 62 dBA			< 64 dBA		< 68 dBA		
Weight w/o batteries	87	87	91	100	173	197	209	220	232	265	
Dim. (mm) HxWxD	1040x400x815					1440x515x855					
OPTIONS											
Special in/output vol	Please ask										
Transformer	Galvanic isolation transformer at the input & output										
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200clients, T-Mon Server 50-100-200clients										
Parallel operation	Up to 8										