

ALFA3000 SERIES

◆ 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	ALFA301	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	380/400 VAC 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% linear load)									
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-Mon UPS 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 10-50-100-200 clients, T-Mon Server 50-100-200 clients									
Parallel operation	Up to 8									