

# ALFA200 SERIES

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## ◆ 3/1 PHASE 10-20KVA ONLINE UPS

### GENERAL SPECIFICATIONS

- High Frequency and True Double-Conversion
- DSP Digital Control Technology
- Wide Input Voltage Range (110V-300V)
- Output Power Factor 0.9
- Optimized Battery Configuration:192V/240V
- Cold Start
- 50/50 Hz Frequency Adaptive
- Eco Mode Operation For Energy Saving
- 50/50 Hz Frequency Converter Mode
- Selectable Output Voltage via LCD
- Selectable Battery Shutdown Voltage (EOD) via LCD
- Selectable Input Mode via LCD: 3/1 or 1/1
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatically Charging Battery at UPS Off Mode
- Auto Control Fan Speed
- Standard RS232 Communication Port
- Optional Emergency PowerOff (EPO)
- Optional RS485/SNMP/AS400/USB Communication Port
- Optional External Battery Bank
- Optional Manual Bypass



		TECHNICAL SPECIFICATONS			
MODEL		ALFA210		ALFA220	
CAPACITY		10KVA/9K		20KVA/18KW	
INPUT					
RatedVoltage		3/1: 360V/380V/400V/415VAC; 1/1: 208V/220V/230V/240VAC Setting available via LCD			
Voltage Range		3/1: Half load (190-520) ±5VAC, Full load (277-520) ±5VAC; 1/1: Half load (110-300) ±5VAC, Full load (160-300) ±5VAC;			
Frequency		40-70Hz±0.5% (Auto sensing)			
Power factor		3/1: ≥0.95; 1/1: ≥0.99			
BYPASS					
Voltage Range		160V-Rated output voltage+32V			
Frequency		50/60Hz±5Hz			
OUTPUT					
Voltage		208V/220V/230/240VAC Setting available via LCD			
Voltage Regulation		±1%			
Frequency		Synchronized with utility on AC mode; 50/60±0.1Hz on battery mode			
Waveform		Pure sinewave			
Crest Factor		3:1			
Harmonic Distortion		≤2% (Linearload); ≤5% (Non-linearload)			
Transfer Time		AC mode to battery mode: 0ms Inverter mode to bypass mode: 0ms			
Overload Capability		105%-125% ; Transfer to bypass after 3mins; 125% -150% ; Transfer to bypass after 30s; >150% : Transfer to bypass after 100ms			
EFFICIENCY					
AC Mode		≥93%			
Battery Mode		≥92%			
ECO Mode		≥98%			
BATTERY					
DC Votage		192V/240VDC (Set up by jumper)			
Inbuilt Battery of Std Model		16*9Ah		Without Batteries	
Charge Current Standard Mod		1Amp		Without Batteries	
Charge Current Long Model		No		7Amp	
Typical Recharge Time		8 hours recover to 90% capacity			
ALARM					
UtilityFailure		Beep/4s			
Battery Low		Beep/1s			
Overload		Beep Twice/1s			
UPS Fault		Long Beep			
ENVIRONMENT					
Humidity		20+90% RH @ 0~40°C (non-condensing)			
Noise Level		≤58dB (1m)		≤60dB (1m)	
MANAGEMENT					
StandardRS-232, OptionalUSB		Supports Windows 98/2000/2003/XP/Vista/2008/7/8			
Optional SNMP		Power management from SNMP manager and web browser			
PHYSICAL					
Dimension(mm)W*D*H		262*580*732		262*580*628	
PackingDimen.(mm)W*D*H		359*687*822		359*687*717	
NetWeight(kg)		74	30	39	40
GrossWeight(kg)		84	36	47	48