

ALFA100 SERIES

www.ogspower.com

◆ 1/1 PHASE 1-10KVA ONLINE UPS

GENERAL SPECIFICATIONS

- ◆ DSP Digital Control Technology
- ◆ Output Power Factor 0.9
- ◆ Fully AVR
- ◆ Selectable Charging Current For 6 & 10 kVA (1-3-5-8 Amp)
- ◆ Input PFC
- ◆ Green Environment-Friendly Model
- ◆ Wide Input Voltage Range
- ◆ Perfect Protection
- ◆ Cold Start and Mains Power Start Function
- ◆ Generator Compatibility
- ◆ Zero Switching
- ◆ Intelligent Battery Management
- ◆ Friendly Interface



		TECHNICAL SPECIFICATIONS				
MODEL		ALFA101	ALFA102	ALFA103	ALFA106	ALFA110
CAPACITY		1KVA/.9KW	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW
INPUT						
Rated Voltage		208V/220V/230/240VAC				
Voltage Range		Half load (115-295±5VA Full load (145-295) ±5VAC		Half load (115-295) ±5VAC Full load (165-295)±5VAC		
Frequency		45-55Hz±0.5% or 55-65Hz±0.5%(AutoSensing)			40-70Hz±0.5% (Auto Sensing)	
Power factor		≥0.98			≥0.99	
Bypass Voltage Range		Rated output 34V-Rated output voltage+32V			160V-Rated output voltage+32V	
OUTPUT						
Voltage		208V/220V/230/240VAC Setting available via LCD				
Voltage Regulation		±1%				
Frequency		Synchronized with utility on AC mode; 50/60±0.2Hz on battery mode				
Waveform		Pure sinewave				
Crest Factor		3:1				
Harmonic Distortion		≤3% (Linear load); ≤5% (Non-linear load)			≤2% (Linear load); ≤5% (Non-linear)	
Transfer Time		AC mode to battery mode: 0ms Inverter mode to bypass mode: 4ms (Typical)			AC mode to battery mode: 0ms Inverter mode to bypass mode: 0 ms	
Overload Capability		105%-150% ; Transfer to bypass in 30s; >150% : Transfer to bypass in 30ms			105%-125% To bypass after 3mins; 125%-150% : To bypass after 30s >150% : To bypass after 100ms	
EFFICIENCY						
AC Mode		≥90%			≥92%	
Battery Mode		≥87%			≥91%	
ECO Mode		≥98%			≥98%	
BATTERY						
DC Voltage		24V	48V	72V	192V	
Inbuilt Battery of Std Model		2*9Ah	4*9Ah	6*9Ah	16*7Ah	16*9Ah
Charge Current Standard Model		1Amp				
Charge Current Long Model		6Amp			1/3/5/8Amp Selectable	
Typical Recharge Time		8 hours recover to 90% capacity				
ALARM						
Utility Failure		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		≤50dB (1m)			≤55dB (1m)	
MANAGEMENT						
Standard RS-232, Optional USB		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		144*410* 215	190*470*341		262*514*735	
Packing Dimen.(mm) W*D*H		230*492*315	320*550*462		360*650*795	
Net Weight (kg)		13	25	29	67	75
Gross Weight(kg)		15	27	31	78	85