



ALFA

ZETA series
10 kVA ~ 120 kVA (3:3) (PF 0.9)

Features
• High frequency online double-conversion with DSP control • Modular design, high reliability, easily maintenance • Double input distribution, higher reliability of system • Input power factor correction (PFC) • ECO mode operation for energy saving • Wide input voltage range, 50 Hz/60 Hz auto-sense frequency • Support two modes of frequency conversion: 50 Hz input / 60 Hz output and 60 Hz input / 50 Hz output • Input power factor > 0.99, input THDi ≤ 3%, output THDV ≤ 5% • Output power factor 0.9 • High efficiency: load > 10%, efficiency ≥ 90%; load > 50%, efficiency ≥ 93% • Digitized charger: flexible charger parameter and battery configuration setting, monitoring battery disconnected on line • Share battery pack in parallel operation or separate battery pack for different UPS • Flexible charger parameter and battery configuration setting, selectable battery number • Advanced intelligent battery management technique, prolong the working life of battery effectively • Support battery cold start and mains supply self-starting • 5.7 inches LCD touch screen, friendly human & machine interface • Perfect protective function in hard and software, robust self-diagnosing, abundant event log for future check • Perfect password control technology, including the first power-on password control, user password control and Maintenance password control. • Reminders of battery out of warranty • Standard emergency power off (EPO) • Standard RS232/USB/RS485/ dry contacts communication port • Optional SNMP communication port • Optional N+1 redundancy parallel up to 4 units • Optional built-in isolation transformer • Optional battery temperature compensation

Technical Specification		ZE 10	ZE 20	ZE 30	ZE 40	ZE 60	ZE 80	ZE 100	ZE 120
INPUT	Capacity	10KVA / 9W	20KVA / 18W	30KVA / 27W	40KVA / 36W	60KVA / 54W	80KVA / 72W	100KVA / 90W	120KVA / 108W
	Rated voltage	380 V/400 V/415 Vac							
	Voltage range	204~242 Vac (load ≤ 50%); 242~305 Vac (50% <load ≤ 70%); 305~520 Vac (70% < load ≤100%)							
	Rated frequency	50/60 Hz (auto-sense)							
	Frequency range	40 ~ 70 Hz							
	Power factor	≥ 0.99							
	Total harmonic distortion (THDI)	≤ 3 %							
OUTPUT	Bypass voltage range	Rated output voltage -40% ~rated output voltage +20% (settable via LCD)							
	Voltage	380 V/400 V/415 Vac							
	Voltage regulation	±1%							
	Frequency	Synchronized with utility in mains mode; Frequency conversion mode: 50 Hz input and 60 Hz output or 60 Hz input and 50 Hz output 50/60 Hz in battery mode							
	Waveform	Sinusoidal							
	Crest factor	3:1							
	Total harmonic distortion (THDV)	≤ 1% (linear load); ≤ 5% (non-linear load)							
BATTERY	Transfer time	0 ms							
	Inverter overload capability	102% ~ 127%: transfer to bypass in 10 mins; 127% ~ 150%: transfer to bypass in 1 min; > 150%: transfer to bypass in 0.5 s							
	Bypass overload capability	≤ 150%: long time running ; > 150%: shut down in 10 s							
	DC voltage	± 192 V (options: ± 204 V / +216 V/ ± 228 V / ± 240 V)							
SYSTEM	Inbuilt battery of standard model	32×12V / 9 Ah	64×12V / 9 Ah		NO				
	Charging current	1 ~ 12 A (Settable via LCD)			1 ~ 24 A (Settable via LCD)			1~24 A (Settable via LCD) / 1~48 A (Optional)	
	Efficiency	≥ 93%, ECO mode 98.5%							
	Display panel	5.7 Inches LCD touch screen							
	Alarm	Battery mode, low battery, fans fault etc							
	Max. parallel numbers EMI	4							
	EMS	EN62040-2							
OTHERS	RS232/RS485/USB/dry contacts (standard)	IEC61000-4-2 (ESD); IEC61000-4-3 (RS); IEC61000-4-4 (EFT) ;IEC61000-4-5 (surge)							
	SNMP (optional)	Supports Windows® 98 / 2000/2003/XP/Vista/2008/7/8/10							
	Humidity	Power management from SNMP manager and web browser							
	Noise level	0 ~ 95% RH @ 0 ~ 40°C (non-condensing)							
	Dimensions (W×D×H) (mm)	≤ 60 dB							
	Packaged dimensions (W×D×H) (mm)	600×800×1360						600×800×1680	
	Net/Gross weight (kg)	720×920×1500						720×920×1820	
Without inbuilt battery		180/200	186/205	188/210	227/245	231/250	316/376	354/414	

•All specifications subject to change without notice. •Custom-made specifications are acceptable.