

3PH ONLINE UPS TRANSFORMER TYPE ZETA SERIES

(100KVA - 800KVA)

0.9

Output power factor



Adjustable charging current (can support all battery sizes)



Support parallel function

BENEFITS

- ✓ True online double conversion with DSP control
- ✓ Unique design and fully coating PCBAs to withstand harsh environment
- ✓ Active power factor correction in all phases
- ✓ Unique ventilation design for effective heat dissipation
- ✓ Accepts dual-mains inputs
- ✓ Front access makes maintenance and replacement easily
- ✓ High short-circuit and overload capabilities
- ✓ Easy integration into existing electrical networks or generator
- ✓ Parallel capability up to 4 units



APPLICATION



Factories



Internet networks



Hospital & testing laboratories



oil and gas fields



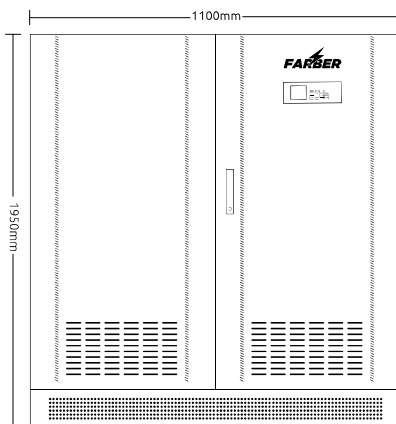
Servers



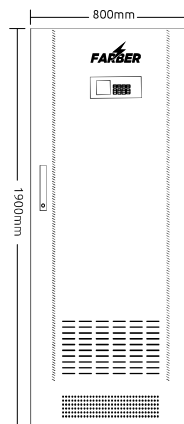
Chillers and air conditioners

SCHEMATICS

(800KVA)



(100KVA)



FEATURES



Zero transfer time



Stable output voltage & frequency



Smart system support
SNMP, modbus and parallel kit cards



Support Email, SMS and trap IP alarm notifications



Weather sensors (Optional)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION

SPECIFICATION

MODEL	FA-UPSW-480V-100KVA-3PH	FA-UPSW-480V-200KVA-3PH	FA-UPSW-480V-400KVA-3PH	FA-UPSW-480V-600KVA-3PH	FA-UPSW-480V-800KVA-3PH
Capacity(VA/Watts)	100KVA/90KW	200KVA / 180KW	400KVA / 360KW	600KVA / 540KW	800KVA / 720KW
INPUT					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+ G)				
Acceptable Voltage Range	304VAC ~ 456VAC				
Frequency	45 Hz ± 65Hz				
OUTPUT					
Nominal Voltage	380VAC/400VAC/415VAC (Selectable)				
Connection Type	Hardwire 5-wire (3 Ph+N+G)				
Waveform	Pure Sine wave				
Output Voltage	Steady state	±1%			
Stability	Transient state	±5%			
Frequency	50 Hz or 60 Hz (Selectable)				
Frequency Synchronization Range	± 5 Hz (Equal to bypass working range)				
Frequency Synchronization Speed	1~2 Hz/s				
Crest Factor	3:1				
Total Harmonic Distortion (THDv)	<1% (Linear Load), <3% (Non-linear Load)				
Dynamic in-rush Voltage Range	0%~>100%~>0% load: < 1%				
Dynamic Recovery Time	0%~100% RCD load: <20 ms recover to 90% of nominal voltage				
Phase Displacement	120°±1%				
Transfer Time	0 ms				
Overload Capability	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute, 200% for 7 seconds				
Short-circuit Capability	180% for 1 second				
Transient Response Time	< 10ms				
BYPASS					
Connection Type	Hardwire 5-wire (3Ph+N+G)				
Input Voltage Range	220VAC ±15% (setting range ± 10% ~ ±25%)				
Overload Capability	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute				
Short-circuit Capability	1 second (Rated x 7), 500 ms (Rated x 8), 200 ms (Rated x 9) , 100 ms (Rated x 10), 100 ms (Rated x 14)				
BATTERY & CHARGER					
Rectifier	Type	IGBT			
	Rated output voltage	480 VDC			
	Charger voltage	524VDC~576VDC (Adjustable)			
Battery	Charging current (max)	20A	40A	70A	
	Type / Numbers	Support VRLA Battery / 40 pcs (40~43 adjustable)			
PHYSICAL					
Dimension, DxWxH (mm)	850 x 800 x 1900	850 x 1000 x 1900	1000 x 1500 x 1900	1000 x 2100 x 1900	3900 x 1100 x 1950
Net Weight (kgs)	656	910	1700	2400	6400
ENVIRONMENT					
Operation Temperature	0~40°C continuous running, 45°C derating to 85% with linear load				

Available capacity: 100KVA, 120KVA, 160KVA, 200KVA, 250KVA, 300KVA, 400KVA, 500KVA, 600KVA & 800KVA

Modeling number: FA-UPSW-480V-XXKVA-3PH/1PH, Where XX=UPS capacity



Support dual main input



ECO mode feature, which can increase battery life and decrease losses (Increase system efficiency)



Can support machines with high starting current (up to 200% full load current)



Include a system monitoring software



Full protection for all common hazards