

# 3PH-1PH ONLINE UPS TRANSFORMER TYPE LAMBDA SERIES

(10KVA - 120KVA)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



0.8

Output power factor



Adjustable charging current (can support all battery sizes)



Support parallel function

## BENEFITS

- ✓ True online double-conversion technology with high power density, utility frequency independence
- ✓ DSP technology to guarantee high reliability
- ✓ 50Hz/60Hz frequency converter mode
- ✓ Cold start function to startup the UPS without utility
- ✓ Emergency power off (EPO) function
- ✓ N+X parallel redundancy
- ✓ Accepts dual-mains inputs
- ✓ Three segment charging mode to increase battery service life, optimize recharge time
- ✓ Maintenance bypass available
- ✓ Adjustable charging current
- ✓ Optional touch colored LCD screen

## APPLICATION



Factories



Internet networks



Hospital & testing laboratories



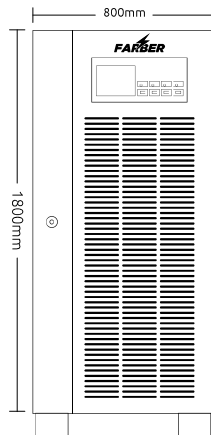
Fire & alarm system



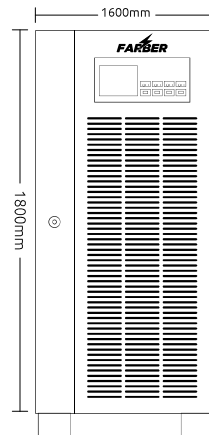
Servers

## SCHEMATICS

(10KVA-30KVA)



(100KVA-120KVA)



## FEATURES



Zero transfer time



Stable output voltage & frequency



Smart system support  
SNMP, modbus and parallel kit cards



Include a system monitoring software



Full protection for all common hazards

# SPECIFICATION

MODEL	FA-UPSW-384V-10KVA-3PH/1PH	FA-UPSW-384V-30KVA-3PH/1PH	FA-UPSW-384V-60KVA-3PH/1PH	FA-UPSW-384V-100KVA-3PH/1PH	FA-UPSW-384V-120KVA-3PH/1PH
Capacity(VA/Watts)	10KVA /8KW	30KVA/24KW	60KVA / 48KW	100KVA /80KW	120KVA /96KW
<b>INPUT</b>					
Nominal Voltage	3 x 380VAC (3Ph + G or 3Ph + N + G)				
Acceptable Voltage Range	304VAC ~ 456VAC				
Frequency	50 Hz ± 5Hz (±10%)				
<b>OUTPUT</b>					
Nominal Voltage	220VAC/230VAC/240VAC (Selectable)				
Connection Type	Hardwire 3-wire (1 Ph+N+G)				
Waveform	Pure Sine wave				
Output Voltage Stability	Steady state	±1%			
	Transient state	±5%			
Frequency	50 Hz				
Frequency Synchronization Range	± 5 Hz (Equal to bypass working range)				
Frequency Synchronization Speed	1~2 Hz/s				
Crest Factor	3:1				
Dynamic in-rush Voltage Range	0%~>100%~>0% (R load) <±5%: 20%~>100%~>20% (R Load) ± 3%				
Dynamic Recovery Time	0%~100% RCD load: <60 ms recover to 90% of nominal voltage				
Phase Displacement	120°±1% (balanced load) 120°±2% (imbalances 50% of the load)				
Transfer Time	0 ms				
Overload Capability	0%~110% continuous running; 110%~ 150% for 10 min~1 min; >160% for 200 ms				
Short-circuit Capability	60~100ms				
Transient Response Time	< 5ms				
<b>BYPASS</b>					
Connection Type	Hardwire 3-wire (1Ph+N+G)				
Input Voltage Range	220VAC ±25%				
Overload Capability	1.5 In~1.8 In 1h~30s				
Short-circuit Capability	1.8 In~ >2.0 In 30s~200ms				
<b>BATTERY &amp; CHARGER</b>					
Rectifier	Type	6 pulse (12 pulse optional)			
	Rated output voltage	220 VDC ( 384 VDC optional)			
	Charger voltage	216VDC ~ 243VDC or 395VDC~435VDC (Adjustable)			
Charging current (max)	Default 10A, Maximum=Capacity / Battery Voltage	Default 10A, Maximum 40A			
	Type / Numbers	Support VRLA Battery / 16 - 18 pcs (adjustable) or 32 pcs (29~32 adjustable)			
<b>PHYSICAL</b>					
Dimension, DxWxH (mm)	800 x 800 x 1800	800 x 1200 x 1800	800 x 1600 x 1800		
Net Weight (kgs)	354	480	910	1620	
<b>ENVIRONMENT</b>					
Operation Temperature	0~35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load				

Available capacity: 10KVA, 15KVA, 20KVA, 30KVA, 40KVA, 60KVA, 80KVA, 100KVA & 120KVA

Modeling number: FA-UPSX-384V-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)



Support Email, SMS and trap IP alarm notifications



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



Weather sensors (Optional)

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