

3PH ONLINE UPS BETA SERIES

(10KVA - 80KVA)



1.0

Unity output
power factor



Adjustable charging
current (can support all
battery sizes)



Support parallel
function

BENEFITS

- ✓ Active power factor correction in all phases
- ✓ 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 (Parallel capability up to 3 units).
- ✓ Accepts dual-mains inputs
- ✓ Smart battery charger design to optimize battery performance
- ✓ Maintenance bypass available
- ✓ Adjustable charging current
- ✓ Optional touch colored LCD screen

APPLICATION



oil and gas fields



Internet networks



Hospital & testing
laboratories

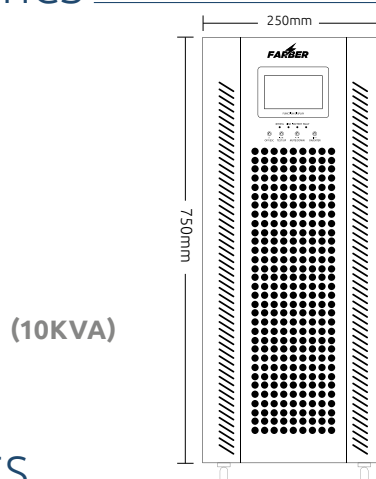


Factories

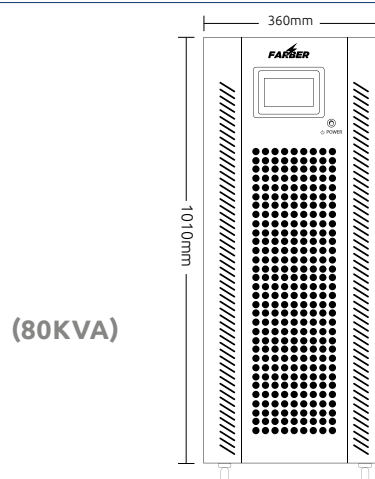


Servers

SCHEMATICS



(10KVA)



(80KVA)

FEATURES



Support dual main input



Zero transfer time



Smart system support
SNMP, Modbus and parallel
kit cards



Stable output voltage
& frequency



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

SPECIFICATION

MODEL		FA-UPSX-480V-10KVA-3PH	FA-UPSX-480V-30KVA-3PH	FA-UPSX-480V-80KVA-3PH
PHASE			3-phase in/3-phase out	
Capacity(VA/Watts)		10KVA/10KW	30KVA/30KW	80KVA/80KW
INPUT				
Nominal Voltage			3 x 400 VAC (3Ph+N)	
Voltage Range			190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load	
Frequency range			46~54Hz or 56~64Hz	
Power factor			≥ 0.99 @ 100% Load	
OUTPUT				
Output voltage			3 x 360/380/400/415 VAC (3 Ph+N)	
AC Voltage Regulation (Batt. Mode)			± 1%	
Frequency Range (Synchronized Range)			46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio			3:1	
Transfer Time AC Mode to Batt. Mode			Zero	
Transfer Time Inverter to Bypass			Zero	
Waveform (Batt. Mode)			Pure Sine wave	
Overload AC Mode			100-110% for 10 min, 110-130% for 1 min, >130% for 1 second	
Overload Battery Mode			100-110% for 30 seconds, 110-130% for 10 seconds, >130% for 1 second	
Parallel Capacity			up to 3 units in parallel	
BATTERY				
Standard Model	Battery Type	12 V / 9 Ah or 12 V / 7Ah		
	Numbers	20 pcs x (1-4) strings	(20+20) pcs x 2 strings	
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (Max.)	1A-12A (Adjustable)		
	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)		
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	32-40 pcs (Adjustable)		
	Charging Current (Max.)	1A-12A (Adjustable) Parallelable up to 3 charger boards to reach 36A maximum	1A-24A (Adjustable) Parallelable up to 3 sets of dual charger boards to reach 72A maximum	
	Charging Voltage	+/- 13.65V x N (N=16~20)		
PHYSICAL				
Standard Model	Dimension, DxWxH (mm)	781 x 250 x 750	815 x 300 x 1000	N/A
	Net Weight (kgs)	129	225	
Long-run Model	Dimension, DxWxH (mm)	781 x 250 x 750	815 x 300 x 1000	790 x 360 x 1010
	Net Weight (kgs)	33	60	108
ENVIRONMENT				
Operation Temperature			0-40 °C	
Operation Humidity			< 95% and non-condensing	

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

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



Full protection for all common hazards



Include a system monitoring software



Support Email, SMS and trap IP alarm notifications



Weather sensors (Optional)