

# 3PH ONLINE UPS RHO SERIES

(100KVA - 200KVA)

UPS

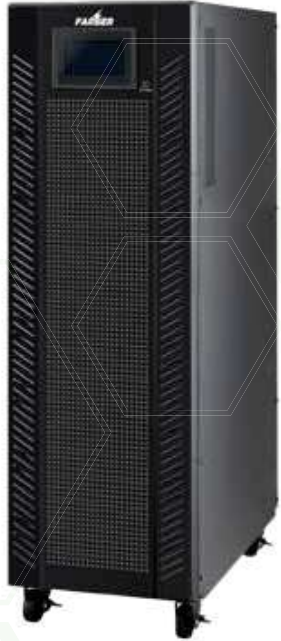
INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



0.9

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
- Active power factor correction in all phases
- Cold start function to startup the UPS without utility
- Emergency power off (EPO) function
- N+X parallel redundancy (Parallel capability up to 2 units).
- Accepts dual-mains inputs
- Smart battery charger design to optimize battery performance maintenance bypass available
- Adjustable charging current
- Maintenance bypass available
- Optional touch colored LCD screen

## APPLICATION



oil and gas fields



Internet networks



Hospital & testing laboratories

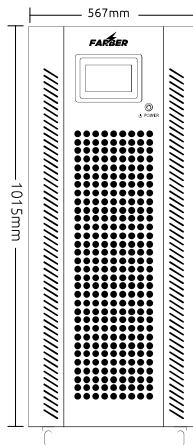


Factories

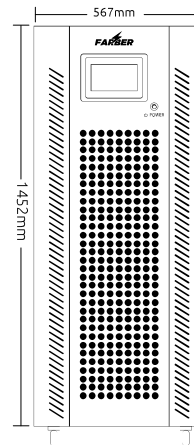


Servers

## SCHEMATICS



(100KVA-120KVA)



(160KVA-200KVA)

## FEATURES



Zero transfer time



Stable output voltage & frequency



Smart system support  
SNMP, modbus and parallel kit cards



Weather sensors (Optional)



Full protection for all common hazards

# SPECIFICATION

MODEL	FA-UPSX- 480V-100KVA-3PH	FA-UPSX- 480V-120KVA-3PH	FA-UPSX- 480V-160KVA-3PH	FA-UPSX- 480V-200KVA-3PH
PHASE	3-phase in/3-phase out			
Capacity(VA/Watts)	100KVA/90KW	120KVA/108KW	160KVA/144KW	200KVA/180KW
<b>INPUT</b>				
Nominal Voltage	3 x 400 VAC (3 Ph+N)			
Voltage Range	208-478 VAC (3-Phase) @ 70% Load; 305-478 VAC (3-Phase) @ 100% Load			
Frequency range	40~70 Hz			
Power factor	≥ 0.99 @ 100% Load			
<b>OUTPUT</b>				
Output voltage	3 x 380/400/415 VAC (3 Ph+N)			
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Transfer Time AC Mode to Batt. Mode	Zero			
Transfer Time Inverter to Bypass	Zero			
Waveform (Batt. Mode)	Pure Sine wave			
Overload AC Mode	105-110% for 1 hr, 111-125% for 10 min, 126-150% for 1 min, >150% for 200ms			
Overload Battery Mode	105-110% for 1 hr, 111-125% for 10 min, 126-150% for 1 min, >150% for 200ms			
Parallel Capacity	up to 2 units in parallel			
<b>EFFICIENCY</b>				
AC Mode	94%			
Battery Mode	93%			
<b>BATTERY</b>				
Battery Type	Depending on the capacity of external batteries			
Numbers	32~40 pcs (Adjustable)			
Charging Current (Max.)	24A	32A	40A	48A
Charging Voltage	+/- 13.7V x N (N=16~20)			
<b>PHYSICAL</b>				
Dimension, DxWxH (mm)	940 x 567 x 1015		1040 x 567 x 1452	
Net Weight (kgs)	199	234	306	340
<b>ENVIRONMENT</b>				
Operation Temperature	0-40 °C			
Humidity	< 95% and non-condensing			
Noise Level	Less than 70dB @1 Meter		Less than 73dB @1 Meter	

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Support dual main input



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



Include a system monitoring software



Support Email, SMS and trap IP alarm notifications