

3PH ONLINE UPS PI SERIES

(10KVA - 60KVA)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



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 4 units).
- ✓ 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



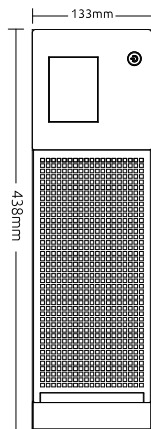
Factories



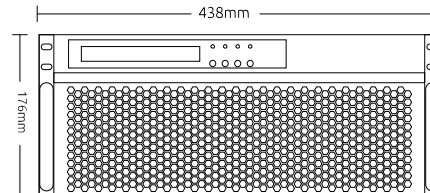
Servers

SCHEMATICS

(10KVA-30KVA)



(40KVA-60KVA)



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-UPSR- 240V-10KVA- 3PH	FA-UPSR- 480V-15KVA- 3PH	FA-UPSR- 480V-20KVA- 3PH	FA-UPSR- 480V-30KVA- 3PH	FA-UPSR- 480V-40KVA- 3PH	FA-UPSR- 480V-60KVA- 3PH
PHASE	3-phase in/3-phase out					
Capacity(VA/Watts)	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
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					
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-Linear Load)					
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 4 units in parallel					
EFFICIENCY						
AC Mode	95.5%					
ECO Mode	98.5%					
Battery Mode	94.5%					
BATTERY						
Battery Type	Depending on the capacity of external batteries					
Numbers	20 pcs					32-40 pcs (Adjustable)
Charging Current (Max.)			1A-12A(Adjustable)		1A-18A(Adjustable)	
Charging Voltage	+/- 13.65V x N (N=10)		+/- 13.65V x N (N=16~20)			
PHYSICAL						
Dimension, DxWxH (mm)	680 x 438 x 133 (3U)			797 x 438 x 176 (4U)		
Net Weight (kgs)	26	28	28	40	40	45
ENVIRONMENT						
Operation Temperature	0-40 °C					
Operation Humidity	< 95% and non-condensing					
Noise Level	Less than 62dB @ 1m	Less than 65dB @ 1m			Less than 70dB @ 1m	
MANAGEMENT						
Smart RS-232/USB	Support Windows® family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					



Full protection for all common hazards



Include a system monitoring software



Support Email, SMS and trap IP alarm notifications



Weather sensors (Optional)