

# 1PH-ONLINE UPS SOHO SERIES

(1KVA - 10KVA)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



0.9

Output power factor



Full protection for all common hazards



Support remote monitoring & control

## BENEFITS

- ✓ True online double-conversion technology with high power density, utility frequency independence.
- ✓ Wide Input voltage range (110V-300V).
- ✓ Output power factor 0.9 (0.8 optional).
- ✓ Adjustable output voltage (220V-240V).
- ✓ 50/60 Hz frequency converter mode.
- ✓ Input power factor correction.
- ✓ Three segment charging mode to increase battery service life, optimize recharge time.
- ✓ Selectable High Efficiency mode of operation.
- ✓ Cold start function to startup the UPS without utility.
- ✓ Emergency, shutdown control through the remote emergency power-off (EPO) port.
- ✓ Power shedding function may turn off uncritical load in battery backup to make longer backup time for critical load.

## APPLICATION



Internet networks



Hospital & testing laboratories

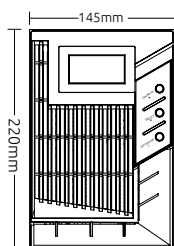


Fire & alarm system

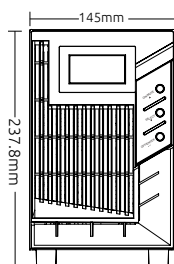


Servers

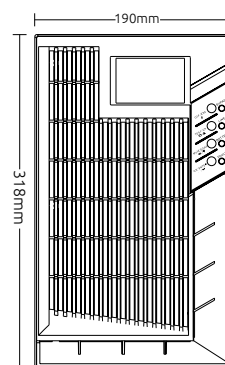
## SCHEMATICS



(1KVA)



(2KVA-3KVA)



(6KVA-10KVA)

## FEATURES



Zero transfer time



Stable output voltage & frequency



Smart system support  
SNMP, Modbus and parallel kit cards



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

# SPECIFICATION

MODEL	FA-UPSE-24V-1KVA-1PH	FA-UPSE-36V-1.5KVA-1PH	FA-UPSE-48V-2KVA-1PH	FA-UPSE-72V-3KVA-1PH	FA-UPSE-240V-6KVA-1PH	FA-UPSE-240V-10KVA-1PH
PHASE	1 phase in/ 1 phase out					
Capacity(VA/Watts)	1000 VA/900 W	1500 VA/1350 W	2000 VA/1800 W	3000 VA/2700 W	6000 VA/5400 W	10000 VA/9000 W
INPUT						
Input Voltage Range	110-300 VAC ± 5% at 50% load 160-300 VAC ± 5 % at 100% load				110-300 VAC @ 0~60% load; 140-300 VAC @ 60~80 % load; 176-300 VAC @ 80~100 % load	
Frequency range	40 Hz ~ 70 Hz				46 ~54 Hz or 56~64 Hz	
Power factor	≥ 0.99 (100% Load)					
OUTPUT						
Output voltage	200/208/220/230/240 VAC				208/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)	± 1%					
Transfer Time AC to DC	Zero				Zero	
Transfer Time Inverter to Bypass	4 ms (Typical)				Zero	
Waveform (Batt. Mode)	Pure Sine wave					
EFFICIENCY						
Line Mode	≥ 91% @ battery fully charged					
ECO Mode	≥ 96% @ battery fully charged					
Battery Mode	≥ 90%				91%	
BATTERY						
Stander Battery type	12V/7 Ah or 12V/ 9 Ah					
External Battery type	Depending on applications (65AH - 200AH)					
Numbers	2	3	4	6	20	20
Typical Recharge Time	9 hours recover to 90% capacity					
Charging Current	200/208/220/230/240 VAC Models: default 1A, max. 2A					
Charging Voltage	27.5 VDC ±1%	41.1 VDC ±1%	54.8 VDC ±1%	82.1 VDC ±1%	273 VDC ±1%	
ALARM						
Battery Mode	Sounding every 5 seconds					
Low Battery	Sounding every 2 seconds					
Overload	Sounding every second					
Fault	Continuously sounding					
ENVIRONMENTAL						
Humidity	20-90% RH @ 0- 45°C (Non-condensing)					
Noise Level	Less than 50dBA@1 Meter					
PHYSICAL						
Dimension D*W*H (mm)	282 x 145 x 220		397 x 145 x 220		369 x 190 x 318	442 x 190 x 318
Net Weight (kgs)	9.8	9.8	17	27.6	74	76



Weather sensors (Optional)



Full protection for all common hazards



Include a system monitoring software



Support Email, SMS and trap IP alarm notifications