

1PH ONLINE MODULAR UPS OMEGA SERIES

(30KVA - 50KVA)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



1.0

Unity output
power factor



Adjustable charging
current (can support all
battery sizes)



Support remote
monitoring &
control

BENEFITS

- ✓ True online double-conversion technology with high power density, utility frequency independence
- ✓ DSP technology to guarantee high reliability
- ✓ High scalability
- ✓ Cold start function to startup the UPS without utility
- ✓ Emergency power off (EPO) function
- ✓ N+X parallel redundancy
- ✓ Less than 2% harmonics distortion in the output
- ✓ Three segment charging mode to increase battery service life, optimize recharge time
- ✓ High overload capability
- ✓ Less than 55dB @ 1m noise level
- ✓ Optional touch colored LCD screen

APPLICATION



Internet networks



Hospital & testing
laboratories



Oil and gas fields

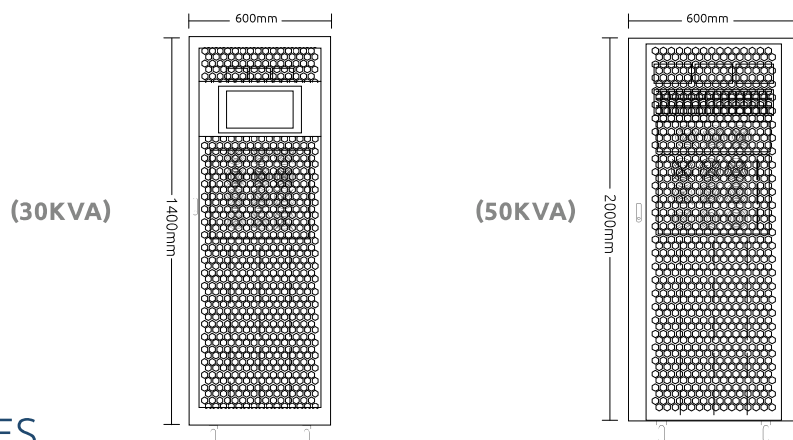


Servers



Factories

SCHEMATICS



FEATURES



Wide Input Range



Instant transfer of power
through zero-crossing
detection



Protects against overload



Parallel Operation



In case of any fault or
emergency, an alarm
will sound

SPECIFICATION

MODEL	FA-UPSX-240V-30KVA-1PH	FA-UPSX-240V-50KVA-1PH
PHASE	1-phase in/1-phase out	
Cabinet Capacity	30KW	50KW
BATTERY TYPE	Built-in Battery or External Battery	
ONE POWER MODULE CAPACITY	6KVA / 6KW or 10KVA / 10KW	
MAX. POWER MODULE NO.	5	
INPUT		
Nominal Voltage	220/230Vac	
Voltage Range	120~276Vac	
Nominal Frequency	50/60Hz (Auto Sensing)	
Frequency Range	40Hz ~70Hz	
Power Factor	> 0.99 @ 100% Load , >0.98 @ 50% Load	
Harmonic Distortion (THDi)	< 3% @ 100% load	
OUTPUT		
Nominal Voltage	220/230Vac	
Voltage Regulation (Steady state)	< ± 1% Typical (balanced load) ; <± 2% Typical (unbalanced load)	
Nominal Frequency	50/60Hz	
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz	
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%	
Harmonic Distortion	<2% THD (Linear Load) ; <4% THD (Non-linear Load)	
Efficiency	Up to 94.5%	
BATTERY / CHARGER		
Numbers	16~20 pcs (Adjustable)	
Charging Voltage	+/- 13.7V x N (N=16~20)	
Temperature Compensation	Yes	
Maximum Charging Current Per Module)	6A	
PHYSICAL		
Cabinet Dimension (D x W x H) mm	840×600×1400	840×600×2000
Net Weight (Kg)	138	150
ENVIRONMENT		
Operating Temperature	0 ~ 40°C	
Relative Humidity	0 ~ 95% non-condensing	
MANAGEMENT		
Optional SNMP	Power management from SNMP manager and web browser	



Protects against short circuit



Protects against over voltage



Protects against under voltage



Optional charging current card (to increase the charging current)

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