

1PH ONLINE UPS TRANSFORMER TYPE LAMBDA SERIES

(6KVA-10KVA)

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



0.8

Output power
factor



Adjustable charging
current (can support all
battery sizes)



Support parallel
function

BENEFITS

- ✓ True online double conversion with DSP control
- ✓ Unique design and fully coating PCBAs to withstand harsh environment
- ✓ Unique ventilation design for effective heat dissipation
- ✓ N+X parallel redundancy
- ✓ Active power factor correction in all phases
- ✓ Emergency power off function (EPO)
- ✓ Front access makes maintenance and replacement easily
- ✓ High short-circuit and overload capabilities
- ✓ Easy integration into existing electrical networks or generator
- ✓ Smart battery charger design to optimize battery performance
- ✓ Optional touch colored LCD

APPLICATION



Factories



Internet
networks



Hospital & testing
laboratories



oil and gas
fields



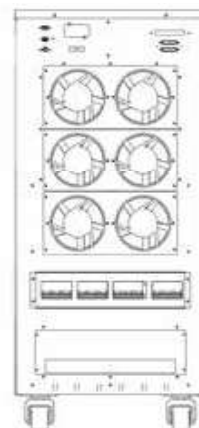
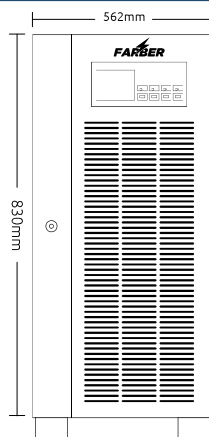
Servers



Chillers and air
conditioners

SCHEMATICS

(10KVA)



FEATURES



Zero transfer time



Stable output
voltage & frequency



Smart system support
SNMP, modbus and parallel
kit cards



Can support machines with
high starting current (up to
200% full load current)



Full protection for all
common hazards

SPECIFICATION

MODEL		FA-UPSW-216V-6KVA-1PH	FA-UPSW-216V-7.5KVA-1PH	FA-UPSW-216V-10KVA-1PH
PHASE		Single phase with ground		
Capacity(VA/Watts)		6KVA /4.8KW	7.5KVA /6KW	10KVA /8 KW
INPUT				
Nominal Voltage		208VAC/220VAC/230VAC		
Voltage Range		165VAC ~285VAC @ 16 pcs batteries ; 185VAC ~285VAC @ 18 pcs batteries		
Frequency		40 Hz~55Hz @ 50 Hz system ; 56 Hz~64 Hz @ 60 Hz system		
OUTPUT				
Nominal Voltage		208VAC/220VAC/230VAC		
Frequency Range (Synchronized Range)		45Hz~55Hz or 56Hz~64Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		< 3 % THD (Linear Load) ; < 5% THD (Non-linear Load)		
Frequency		50 Hz		
Transfer Time		0 ms		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		88.3%		
Battery Mode		92%		
BATTERY				
Standard Model	Battery Type	12V / 7Ah or 12V / 9Ah		
	Battery Numbers**	16 Pcs		
	Charging Current	2A		
	Charging Voltage	218.4 V ± 1%		
Long-run Model	Battery Type	Depending on the applications		
	Battery Numbers**	16 ~ 18 pcs		
	Charging Current(max.)	Default 8A, 2A/4A/8A (adjustable)		
	Charging Voltage	218.4 V±1% ~ 245.7 V±1%		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Standard Model	Dimension, DxWxH(mm)	562 x 300 x 830		
	Net Weight (kgs)	106	122	130
Long-run Model	Dimension, DxWxH(mm)	562 x 250 x 830		
	Net Weight (kgs)	62	78	86
ENVIRONMENT				
Operation Temperature		0~50°C (battery life cycle will shorten when temperature is above 25°C)		
Humidity		0~95% (non-condensing)		



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

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