

# SPECIFICATION

MODEL	FA-UPSW-384V-10KVA-3PH	FA-UPSW-384V-15KVA-3PH	FA-UPSW-384V-20KVA-3PH	FA-UPSW-384V-30KVA-3PH	FA-UPSW-384V-40KVA-3PH
Capacity(VA/Watts)	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW
<b>INPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N or 3Ph + N + G)				
Acceptable Voltage Range	304VAC ~ 456VAC				
Frequency	50 Hz ± 5Hz (±10%)				
<b>OUTPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (Selectable)				
Connection Type	Hardwire 5-wire (3 Ph+N+G)				
Waveform	Pure Sine wave				
Output Voltage Stability	Steady state	±1%			
	Transient state	±5%			
Frequency	50 Hz				
Frequency Synchronization Range	± 5 Hz (Equal to bypass working range)				
Frequency Synchronization Speed	1~2 Hz/s				
Crest Factor	3:1				
Dynamic in-rush Voltage Range	0%->100%->0% (R load) <±5%: 20%->100%->20% (R Load) ± 3%				
Dynamic Recovery Time	0%~100% RCD load: <60 ms recover to 90% of nominal voltage				
Phase Displacement	120°±1% (balanced load) 120°±2% (imbalances 50% of the load)				
Transfer Time	0 ms				
Overload Capability	0%~110% continuous running; 110%~ 150% for 10 min~1 min; >160% for 200 ms				
Short-circuit Capability	60~100ms				
Transient Response Time	< 5ms				
<b>BYPASS</b>					
Connection Type	Hardwire 5-wire (3Ph+N+G)				
Input Voltage Range	220VAC ±25%				
Overload Capability	1.5 In~1.8 In 1h~30s				
Short-circuit Capability	1.8 In~ >2.0 In 30s~200ms				
<b>BATTERY &amp; CHARGER</b>					
Rectifier	Type	6 pulse			
	Rated output voltage	384 VDC			
	Charger voltage	395VDC~435VDC (Adjustable)			
	Charging current (max)	20A			40A
Battery	Type / Numbers	Support VRLA Battery / 32 pcs (29~32 adjustable)			
<b>PHYSICAL</b>					
Dimension, DxWxH (mm)	800 x 800 x 1800				
Net Weight (kgs)	350	370	420	450	480
<b>ENVIRONMENT</b>					
Operation Temperature	0~35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load				

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MODEL	FA-UPSW-384V-60KVA-3PH	FA-UPSW-384V-80KVA-3PH	FA-UPSW-384V-100KVA-3PH	FA-UPSW-384V-120KVA-3PH	FA-UPSW-384V-160KVA-3PH
Capacity(VA/Watts)	60KVA / 48KW	80KVA / 64KW	100KVA / 80KW	120KVA / 96KW	160KVA / 128KW
<b>INPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N or 3Ph + N + G)				
Acceptable Voltage Range	304VAC ~ 456VAC				
Frequency	50 Hz ± 5Hz (±10%)				
<b>OUTPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (Selectable)				
Connection Type	Hardwire 5-wire (3 Ph+N+G)				
Waveform	Pure Sinewave				
Output Voltage Stability	Steady state	±1%			
	Transient state	±5%			
Frequency	50 Hz				
Frequency Synchronization Range	± 5 Hz (Equal to bypass working range)				
Frequency Synchronization Speed	1~2 Hz/s				
Crest Factor	3:1				
Total Harmonic Distortion (THDv)	<2% (Linear Load), <4% (Non-linear Load)				
Dynamic in-rush Voltage Range	0%~>100%~>0% (R load) <±5%: 20%~>100%~>20% (R Load) ± 3%				
Dynamic Recovery Time	0%~100% RCD load: <60 ms recover to 90% of nominal voltage				
Phase Displacement	120°±1% (balanced load) 120°±2% (imbalances 50% of the load)				
Transfer Time	0 ms				
Overload Capability	0%~110% continuous running; 110%~ 150% for 10 min~1 min; >160% for 200 ms				
Short-circuit Capability	60~100ms				
Transient Response Time	< 5ms				
<b>BYPASS</b>					
Connection Type	Hardwire 5-wire (3Ph+N+G)				
Input Voltage Range	220VAC ±25%				
Overload Capability	1.5 In~1.8 In 1h~30s				
Short-circuit Capability	1.8 In~ >2.0 In 30s~200ms				
<b>BATTERY &amp; CHARGER</b>					
Rectifier	Type	6 pulse		6 pulse or 12 pulse	
	Rated output voltage	384 VDC			
	Charger voltage	395VDC~435VDC (Adjustable)			
	Charging current (max)	40A		50A	
Battery	Type / Numbers	Support VRLA Battery / 32 pcs (29~32 adjustable)			
<b>PHYSICAL</b>					
Dimension, DxWxH (mm)	800 x 800 x 1800		800 x 1200 x 1800		800 x 1600 x 1800
Net Weight (kgs)	730	790	1000	1300	1400
<b>ENVIRONMENT</b>					
Operation Temperature	0~35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load				

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