

# SPECIFICATION

MODEL	FA-UPSW-480V-100KVA-3PH	FA-UPSW-480V-200KVA-3PH	FA-UPSW-480V-400KVA-3PH	FA-UPSW-480V-600KVA-3PH	FA-UPSW-480V-800KVA-3PH
Capacity(VA/Watts)	100KVA / 90KW	200KVA / 180KW	400KVA / 360KW	600KVA / 540KW	800KVA / 720KW
<b>INPUT</b>					
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph+ G)				
Acceptable Voltage Range	304VAC ~ 456VAC				
Frequency	45 Hz ± 65Hz				
<b>OUTPUT</b>					
Nominal Voltage	380VAC/400VAC/415VAC (Selectable)				
Connection Type	Hardwire 5-wire (3 Ph+N+G)				
Waveform	Pure Sine wave				
Output Voltage	Steady state	±1%			
Stability	Transient state	±5%			
Frequency	50 Hz or 60 Hz (Selectable)				
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)	<1% (Linear Load), <3% (Non-linear Load)				
Dynamic in-rush Voltage Range	0%~>100%~>0% load: < 1%				
Dynamic Recovery Time	0%~100% RCD load: <20 ms recover to 90% of nominal voltage				
Phase Displacement	120°±1%				
Transfer Time	0 ms				
Overload Capability	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute, 200% for 7 seconds				
Short-circuit Capability	180% for 1 second				
Transient Response Time	< 10ms				
<b>BYPASS</b>					
Connection Type	Hardwire 5-wire (3Ph+N+G)				
Input Voltage Range	220VAC ±15% (setting range ± 10% ~ ±25%)				
Overload Capability	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute				
Short-circuit Capability	1 second (Rated x 7), 500 ms (Rated x 8), 200 ms (Rated x 9) , 100 ms (Rated x 10), 100 ms (Rated x 14)				
<b>BATTERY &amp; CHARGER</b>					
Rectifier	Type	IGBT			
	Rated output voltage	480 VDC			
	Charger voltage	524VDC~576VDC (Adjustable)			
	Charging current (max)	20A	40A	70A	
Battery	Type / Numbers	Support VRLA Battery / 40 pcs (40~43 adjustable)			
<b>PHYSICAL</b>					
Dimension, DxWxH (mm)	850 x 800 x 1900	850 x 1000 x 1900	1000 x 1500 x 1900	1000 x 2100 x 1900	3900 x 1100 x 1950
Net Weight (kgs)	656	910	1700	2400	6400
<b>ENVIRONMENT</b>					
Operation Temperature	0~40°C continuous running, 45°C derating to 85% with linear load				

Available capacity: 100KVA, 120KVA, 160KVA, 200KVA, 250KVA, 300KVA, 400KVA, 500KVA, 600KVA & 800KVA

Modeling number: FA-UPSX-480V-XXKVA-3PH/1PH, Where XX=UPS capacity