



The new USES® XL Technical Specifications

Model	XL-R	XL-R 400	XL-1	XL-1 400	XL-3D 208	XL-3Y 208
Line Voltage	120/240 VAC	220/400 VAC	120/240 VAC	220/400 VAC	208 VAC	120/208 VAC
Nominal Frequency	50/60 HZ					
Power Dissipation per 10X1000 µsec. JOULES	>1,100	>1,800	>1,100	>2,100	>1,400	>2,400
Peak Pulse Current	>100,000	>100,000	>100,000	>100,000	>100,000	>200,000
Max Surge Current per 8x20 µsec.	40,000	40,000	40,000	40,000	40,000	40,000
Nominal Clamping Voltage VRMS	130V/250V	270V/510V	130V/250V	270V/510V	250V	130V/250V
Maximum Clamping Voltage	224V/432V	466V/881V	224V/432V	466V/881V	432V	224V/432V
Response Time	< 15 NANO SECONDS					
Surge Rebound	INHERENT SELF HEALING PROPERTIES					
Standby Power	>10 WATTS	>10 WATTS	>15 WATTS	>20WATTS	>25 WATTS	>25 WATTS
Total Capacitance	>70 UF	>50 UF	>60 UF	>60 UF	>240 UF	>140 UF
Operating Temperature	-40°C TO 70°C					
Unit Temperature Rise	< 3°C after 24 hours under full load conditions					
Audible Noise at 3'	<2dBA					
Operating Life	150,000 hours with over 95% survival					
Line Connections (THHN single cond.)	#10	#10	#10	#6	#6	#6
Circuit Breaker Required	30A 2 POLE	30A 2 POLE	30A 2 POLE	50A 2 POLE	50A 3 POLE	50A 3 POLE
Dimensions (HxWxD)	10"X8"X6"	10"X8"X6"	10"x10"x5"	10"x10"x6"	14"x 12"x 6"	14"x 12"x 6"
Estimated Weight	8 lbs	9 LBS	8 LBS	12lbs	20 LBS	20 LBS
Warranty	3 Years					

RF FILTERS	3	3	3	3	9	9
ISO TRANSFORMER	1	1	1	1	3	3
STEP UP TRANSFORMER	1	1	1	1	3	3

REV; 07/16/12

