

THE NEW USES XL TECHNICAL SPECIFICATIONS – May 2015

Model	XL R	XL 1	XL 3D 208	XL 3Y 208	XL 3D 240/250	XL 3Y 240/250	XL 3D 400/420	XL 3Y 400/420	XL 3D 480	XL 3Y 480
LINE VOLTAGE	120/240 VAC	120/240 VAC	208 VAC	120/208 VAC	240/250 VAC	120/240/250 VAC	400 VAC	220/400 VAC	480 VAC	277/480 VAC
NOMINAL FREQUENCY	50/60 HZ									
POWER DISSIPATION PER 10X1000 µsec	>1,000	>1,100	>1,400	>2,400	>1,400	>2,400	>3,000	>4,500	>3,000	>4,500
PEAK PULSE CURRENT	>100,000	>100,000	>100,000	>200,000	>100,000	>200,000	100,000	200,000	100,000	200,000
MAX SURGE CURRENT PER 8X20 µsec	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
NOMINAL CLAMPING VOLTAGE VRMS	130V/250V	130V/250V	130V/250V	130V/250V	240V/250V	120V/250V	270V/510V	270V/510V	580V	320V/580V
MAXIMUM CLAMPING VOLTAGE	224V/432V	224V/432V	432V	224V/432V	553V	224V/553V	881V	466V/881V	1000V	533V/1000V
RESPONSE TIME	< 15 NANO SECONDS									
SURGE REBOUND	INHERENT SELF HEALING PROPERTIES									
STANDBY POWER	>8 WATTS	>10 WATTS	>15 WATTS	>15 WATTS	>19 WATTS	>17 WATTS	>25 WATTS	>25 WATTS	>25 WATTS	>25 WATTS
TOTAL CAPACITANCE	>130 UF	>200 UF	>450 UF	>270 UF	>450 UF	>270 UF	>500 UF	>320 UF	>500 UF	>320 UF
OPERATING TEMP	- 40° C to 70° C									
UNIT TEMP RISE	< 2°C after 24 hours under full load conditions									
AUDIBLE NOISE AT 3'	< 2 dBA									
OPERATING LIFE	150,000 HOURS WITH OVER 95% SURVIVAL									
LINE CONNECTIONS (THHN SINGLE COND.)	#10	#10	#6	#6	#6	#6	#4	#4	#4	#4
CIRCUIT BREAKER REQD	30A, 2 POLE	30A, 2 POLE	50A,3 POLE	50A,3 POLE	50A,3 POLE	50A,3 POLE	70A, 3 POLE	70A, 3 POLE	70A, 3 POLE	70A, 3 POLE
DIMENSIONS (HXWXD)	8"x6"x5"	10"x6"x5"	16"x13"x8"	16"x13"x8"	16"x13"x8"	16"x13"x8"	16"x13"x8"	16"x13"x8"	16"x13"x8"	16"x13"x8"
ESTIMATED WEIGHT	8 LBS	12 LBS	18 LBS	18 LBS	18 LBS	18 LBS	28 LBS	28 LBS	28 LBS	28 LBS
RF FILTER	3	6	9	9	9	9	9	9	9	9
ISO TRANSFORMER	1	2	3	3	3	3	3	3	3	3
STEP UP TRANSFORMER	1	2	3	3	3	3	3	3	3	3
KW REDUCTION VALUE	.75 - 1.0 kW kWh / hr	1.2 - 1.7 kW kWh / hr	3.0 - 4.0 kW kWh / hr	1.7 - 2.5 kW kWh / hr	3.5 - 4.5 kW kWh / hr	3.0 - 4.0 kW kWh / hr	4.0 - 5.0 kW kWh / hr	3.0 - 3.5 kW kWh / hr	4.5 - 6.0 kW kWh / hr	3.5 - 4.5 kW kWh / hr
WARRANTY	3 YEARS MANUFACTURER									