

Extreme

Isolation Transformers

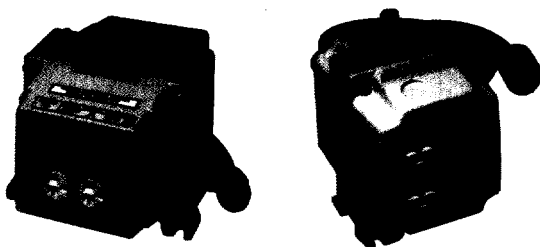
Exceptional Noise Attenuation

Highly-Shielded Transformer

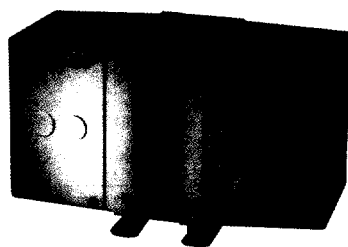
Low Leakage Current

The classic design of the Xentek LifeGuard and PowerGuard X-Series has been the industry standard in single-phase extreme isolation transformers (rated from 0.25 to 5kVA) for over a decade. The advanced design of the Y-Series provides exceptional noise attenuation, transient suppression and isolation in single-phase models from 0.25 to 20kVA and in three-phase models from 15 to 225kVA.

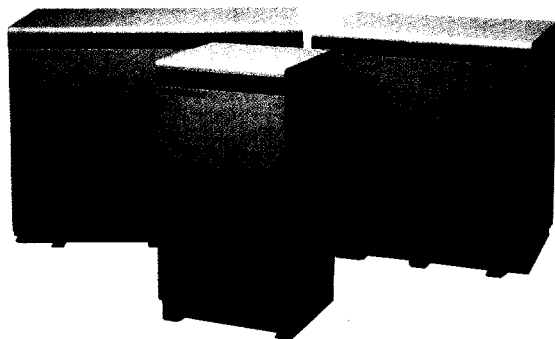
X-Series Single-Phase



Y-Series Single-Phase



Y-Series Three-Phase



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X-Series Specifications

LifeGuard Input:	Nominal voltage $\pm 15\%$ (0.75–2.5 kVA) $\pm 10\%$ (250–500 VA); 50–60 Hz
PowerGuard Input:	Nominal voltage $\pm 15\%$ (1–5 kVA) $\pm 10\%$ (250–750 VA); 50–60 Hz
Load Regulation:	3% of input voltage, no load to full resistive load
Common Mode Attenuation:	160dB (-3x PowerGuard models); 150dB (-3x LifeGuard models); 140dB (-2x models); 120dB (-1x models)
Normal Mode Attenuation:	60dB
Insulation Resistance:	100 M Ω
Leakage Current:	$\leq 10\mu\text{A}$ (LifeGuard); $\leq 50\mu\text{A}$ (PowerGuard)
Dielectric Strength:	2500 VAC
Efficiency:	> 92%

Y-Series Specifications

Input Voltage Range:	$\pm 10\%$ of nominal rated voltage
Tap Adjustments:	Nominal voltage can be adjusted to $\pm 5\%$ for sites that experience over or under voltage conditions (Three-Phase Units)
Load Regulation:	3% or less from no load to full load at 1.0 power factor
Single-Phase Power Ratings:	.25, .5, .75, 1, 1.8, 2.4, 5, 7.5, 10, 15, 20kVA
Three-Phase Power Ratings:	15, 30, 50, 75, 112.5, 125, 150, 225 kVA
Common Mode Attenuation:	150dB min. @ 100 kHz
Normal Mode Attenuation:	65dB @ 100 kHz
Operating Frequency:	47–400Hz for 50Hz Models 57–400Hz for 60Hz Models
Load Power Factor:	0.6 leading to 0.6 lagging
Insulation Resistance:	100 M Ω
Safety Standards:	UL544, UL1012, UL506 and cUL
Dielectric Strength:	4000VAC
Efficiency:	97% (typical)

PowerGuard

Industrial Grade
Isolation Transformers

LifeGuard

Medical Grade
Isolation Transformers

Extreme

Isolation Transformers

X-Series Ordering Guide

PowerGuard Model No.	LifeGuard Model No.	Power (kVA)	Input (VAC)	Output (VAC)	Freq. (Hz)	Weight (lb)	Dimensions (HWD, in.)
Single-Phase Mini-Iso Models							
N/A	LGT125-11	0.125	120	120	50/60	14	5.75 x 4.38 x 6
N/A	LGT250-11	0.25	120	120	50/60	17	5.75 x 4.38 x 6.75
EIT250-11	N/A	0.25	115	115	50/60	13	5.75 x 4.38 x 6
EIT250-12	N/A	0.25	230	230	50/60	13	5.75 x 4.38 x 6
EIT250-15	N/A	0.25	230	115	50/60	13	5.75 x 4.38 x 6
EIT250-16	N/A	0.25	115	230	50/60	13	5.75 x 4.38 x 6
EIT500-11	N/A	0.5	115	115	50/60	18	5.75 x 4.38 x 6.75
EIT500-12	N/A	0.5	230	230	50/60	18	5.75 x 4.38 x 6.75
EIT500-15	N/A	0.5	230	115	50/60	18	5.75 x 4.38 x 6.75
EIT500-16	N/A	0.5	115	230	50/60	18	5.75 x 4.38 x 6.75
EIT7500-11	N/A	0.75	115	115	50/60	24	5.75 x 4.38 x 8
EIT750-12	N/A	0.75	230	230	50/60	24	5.75 x 4.38 x 8
EIT750-15	N/A	0.75	230	115	50/60	24	5.75 x 4.38 x 8
EIT750-16	N/A	0.75	115	230	50/60	24	5.75 x 4.38 x 8
Single-Phase Models							
EIT500-11	LGT500-11	0.5	120	120	50/60	31	6.5 x 8.5 x 9.75
EIT750-11	LGT750-11	.75	120	120	50/60	44	6.5 x 8.5 x 10.25
EIT1.0K-20	LGT1.5K-20	1.5	120	120	50/60	55	6.5 x 8.5 x 11.5
EIT2.5K-20	LGT2.5K-20	2.5	120	120	50/60	114	6.5 x 8.5 x 16.25
EIT5.0K-20	N/A	5.0	115/230	115/230	50/60	120	6.5 x 8.5 x 16.25

Y-Series Ordering Guide

PowerGuard Model No.	LifeGuard Model No.	Power (kVA)	Input (VAC)	Output (VAC)	Freq. (Hz)	Weight (lb)	Dimensions (HWD, in.)
Single-Phase Line Cord Models							
EYT250-21	LGY250-21	0.25	230	230	50	16	4.75 x 7.4 x 8.3
EYT500-11	LGY500-11	0.5	120	120	60	16	4.75 x 7.4 x 9.0
EYT500-21	LGY500-21	0.5	230	230	50	23	4.75 x 7.4 x 9.5
EYT750-11	LGY750-11	0.75	120	120	60	25	4.75 x 7.4 x 9.7
EYT750-21	LGY750-21	0.75	230	230	50	27	4.75 x 7.4 x 10.3
EYT1.0K-11	LGY1.0K-11	1.0	120	120	60	32	6.6 x 8.4 x 9.7
EYT1.0K-21	LGY1.0K-21	1.0	230	230	50	36	6.6 x 8.4 x 10.5
EYT1.8K-11	LGY1.8K-11	1.8	120	120	60	42	6.6 x 8.4 x 10.5
EYT1.8-21	LGY1.8-21	1.8	230	230	50	47	6.6 x 8.4 x 11.0
EYT2.4K-11	LGY2.4K-11	2.4	120	120	60	48	6.6 x 8.4 x 10.9
EYT2.4K-21	LGY2.4K-21	2.4	230	230	50	56	6.6 x 8.4 x 11.5

Y-Series Ordering Guide (Continued)

PowerGuard Model No.	LifeGuard Model No.	Power (kVA)	Input (VAC)	Output (VAC)	Freq. (Hz)	Weight (lb)	Dimensions (HWD, in.)
Single-Phase Hardwired Models							
EYT250-30	LGY250-30	0.25	120/240	120/240	50/60	16	4.75 x 7.4 x 8.3
EYT500-30	LGY500-30	0.5	120/240	120/240	50/60	23	4.75 x 7.4 x 9.4
EYT750-30	LGY750-30	0.75	120/240	120/240	50/60	27	4.75 x 7.4 x 10.3
EYT1.0K-30	LGY1.0K-30	1.0	120/240	120/240	50/60	36	6.6 x 8.4 x 10.0
EYT1.8K-30	LGY1.8K-30	1.8	120/240	120/240	50/60	46	6.6 x 8.4 x 11.0
EYT2.5K-30	LGY2.5K-30	2.5	120/240	120/240	50/60	55	6.6 x 8.4 x 11.8
EYT5.0K-30	LGY5.0K-30	5.0	120/240	120/240	50/60	93	6.6 x 8.4 x 15.0
EYT5.0K-31	LGY5.0K-31	5.0	240/480	240/480	50/60	94	6.6 x 8.4 x 15.0
EYT7.5K-30	LGY7.5K-30	7.5	120/240	120/240	50/60	126	6.6 x 8.4 x 17.5
EYT7.5K-31	LGY7.5K-31	7.5	240/480	240/480	50/60	130	6.6 x 8.4 x 18.0
EYT10.0K-30	LGY10.0K-30	10.0	120/240	120/240	50/60	250	13.1 x 12.2 x 22.2
EYT10.0K-31	LGY10.0K-31	10.0	240/480	240/480	50/60	250	13.1 x 12.2 x 22.2
EYT15.0K-30	LGY15.0K-30	15.0	120/240	120/240	50/60	320	13.1 x 12.2 x 23.5
EYT15.0K-31	LGY15.0K-31	15.0	240/480	240/480	50/60	320	13.1 x 12.2 x 23.5
EYT20.0K-30	LGY20.0K-30	20.0	120/240	120/240	50/60	367	13.1 x 12.2 x 24.7
EYT20.0K-31	LGY20.0K-31	20.0	240/480	240/480	50/60	367	13.1 x 12.2 x 24.7
Three-Phase Cabinet-Style Models							
EYT15.0K-33	—	15.0	208	208Y/120	60	260	38 x 24 x 19
EYT15.0K-34	—	15.0	480	208Y/120	60	260	38 x 24 x 19
EYT15.0K-41	—	15.0	400	400Y/230	50	295	38 x 24 x 19
EYT30.0K-33	—	30.0	208	208Y/120	60	330	38 x 24 x 19
EYT30.0K-34	—	30.0	480	208Y/120	60	335	38 x 24 x 19
EYT30.0K-41	—	30.0	400	400Y/230	50	385	38 x 24 x 19
EYT50.0K-33	—	50.0	208	208Y/120	60	405	38 x 24 x 19
EYT50.0K-34	—	50.0	480	208Y/120	60	410	38 x 24 x 19
EYT50.0K-41	—	50.0	400	400Y/230	50	475	38 x 24 x 19
EYT75.0K-33	—	75.0	208	208Y/120	60	525	40 x 38 x 28
EYT75.0K-34	—	75.0	480	208Y/120	60	525	40 x 38 x 28
EYT75.0K-41	—	75.0	400	400Y/230	50	610	40 x 38 x 28
EYT112.5K-34	—	112.5	480	208Y/120	60	763	40 x 38 x 28
EYT112.5K-41	—	112.5	400	400Y/230	50	890	40 x 38 x 28
EYT125.0K-34	—	125.0	480	208Y/120	60	782	40 x 38 x 28
EYT125.0K-41	—	125.0	400	400Y/230	50	915	40 x 38 x 28
EYT150.0K-34	—	150.0	480	208Y/120	60	887	40 x 38 x 28
EYT150.0K-41	—	150.0	400	400Y/230	50	1040	40 x 38 x 28
EYT225.0K-34	—	225.0	480	208Y/120	60	1207	40 x 38 x 28
EYT225.0K-41	—	225.0	400	400Y/230	50	1415	40 x 38 x 28

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