

OPAL-R Series™

Product Warranty

32 YEAR PRO-RATED LIMITED PRODUCT WARRANTY

WARRANTY PERIOD, LIMITATION OF LIABILITY, NOTICE OF CLAIM

This is a limited warranty. Powersmiths International Corp. ("Powersmiths") warrants that its OPAL-R™ Series, E-Saver 80-R and E-Saver 81-R, products meet applicable design specifications, and are free from defects in materials and workmanship. The warranty period is THIRTY-TWO YEARS - PRO- RATED from the date of factory shipment. Pro-rating is based upon the price paid on the original invoice.

Powersmiths' liability is expressly limited to the repair or replacement of defective product at the discretion of Powersmiths. Powersmiths' entire liability shall be limited to at a maximum the purchase price of the product, and in no way shall be liable for any consequential damages whatsoever. Powersmiths shall have no liability for damage resulting from external event, accident, improper application, installation, operation or repair. This limited warranty is in lieu of all other warranties. The Warranty is valid and honored globally. In case of dispute, the laws of Ontario Canada apply.

PERFORMANCE GUARANTEE

SEISMIC: Powersmiths warrants the unit will remain functional after a seismic event up to rated severity.

EFFICIENCY & LOSSES: Powersmiths guarantees that ALL units meet or exceed the performance levels listed in the table for the full duration of the 32-year warranty period.

kVA	DOE 2016 reference efficiency (35% LOADING)	ESAVER-81R Efficiency (35%)	ESAVER-80-R Efficiency (35%)	Maximum Allowable No Load Losses (W)
15	97.89%	98.25%	97.89%	49
30	98.23%	98.55%	98.23%	66
37.5	98.32%	98.62%	98.32%	83
45	98.40%	98.69%	98.40%	92
50	98.43%	98.71%	98.43%	105
75	98.60%	98.80%	98.60%	132
112.5	98.74%	98.93%	98.74%	194
150	98.83%	98.98%	98.83%	232
220	98.94%	99.10%	98.94%	319
225	98.94%	99.11%	98.94%	321
300	99.02%	99.14%	99.02%	388
330	99.04%	99.16%	99.04%	464
500	99.14%	99.24%	99.14%	613
750	99.23%	99.32%	99.23%	879

NOTES: EFFICIENCY AND TEST REFERENCE: U.S. Dept. of Energy 10CFR Part 431, Sub-part K
Efficiencies at other than standard kVAs are interpolated per DOE protocol.
This table applies to 3-phase, low-voltage, dry-type transformers.

POWERSMITHS™

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