

## HPS SUPERSYNERGY® 600V CLASS SUPER ENERGY EFFICIENT K-FACTOR TRANSFORMERS



### THREE PHASE STANDARD SPECIFICATIONS

#### 15 TO 45 KVA

#### 75 TO 750 KVA



### THREE PHASE SPECIFICATIONS

### NEMA 3R

	15 to 45 kVA	75 to 750 kVA
<b>Efficiency</b>	Efficiency performance will meet the <b>NEMA Premium®</b> guidelines; <b>30% lower losses</b> than DOE 10 CFR Part 431 and (if applicable) C802.2 efficiency standards; when measured under a linear load profile at 35% of the rated load. Efficiency will meet or exceed DOE 10 CFR Part 431 and (if applicable) C802.2 efficiency standards; for linear loads even at <b>50%</b> of rated load when measured under a <b>non-linear</b> load up to <b>K13</b> .	
<b>UL Listed</b>	File: E112313	File: E112313
<b>CSA Certified</b>	File: LR3902	File: LR3902
<b>Frequency</b>	60 Hz	60 Hz
<b>Insulation System</b>	220°C (150°C rise) 200°C (130°C rise) on 15 & 30kVA copper (optional 115°C and 80°C rise available)	220°C (150°C rise) (optional 115°C and 80°C rise available)
<b>Electrostatic Shield</b>	60dB Common Mode - typical	60dB Common Mode - typical
<b>Enclosure Type</b>	Heavy Duty Ventilated Type 3R Optional Type 4, 4X (stainless steel) and 12.	Heavy Duty Ventilated Type 3R Optional Type 4, 4X (stainless steel) and 12.
<b>Enclosure Finish</b>	ANSI 61 Grey, UL50	ANSI 61 Grey, UL50
<b>Neutral</b>	Neutral terminal for field connection (on applicable units).	Neutral terminal for field connection (on applicable units).
<b>Standard Primary Taps</b>	Refer to wiring diagrams for details.	Refer to wiring diagrams for details.
<b>Termination</b>	Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.	Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.
<b>Conduit Knock-Outs</b>	Standard on all units.	Standard on 75 kVA & 150 kVA units.
<b>Impedance</b>	Typically 2.5% to 6.5%	Typically 2.5% to 6.5%
<b>Mounting</b>	Floor or wall/ceiling mounting available. Refer to selection tables for details.	Floor or wall/ceiling mounting available. Refer to selection tables for details.
<b>Seismic</b>	Meets Occupancy Category III $I_p=1.25$ for $S_s=1.0g$ per IBC 2006; section 1613, earthquake loads and NBCC 2005 for ground level installations only for all locations in North America.	Meets Occupancy Category III $I_p=1.25$ for $S_s=1.0g$ per IBC 2006; section 1613, earthquake loads and NBCC 2005 for ground level installations only for all locations in North America.
<b>Sound level</b>	Meets NEMA ST-20 standards. (Optional low noise units available)	Meets NEMA ST-20 standards. (Optional low noise units available)

\* Optional TVSS available. Dual Output option also available. Features as listed above may differ. Contact sales for more details.

FOR TERMINATION DETAILS SEE PAGE 268.

FOR ACCESSORIES SEE PAGES 264 TO 267.

