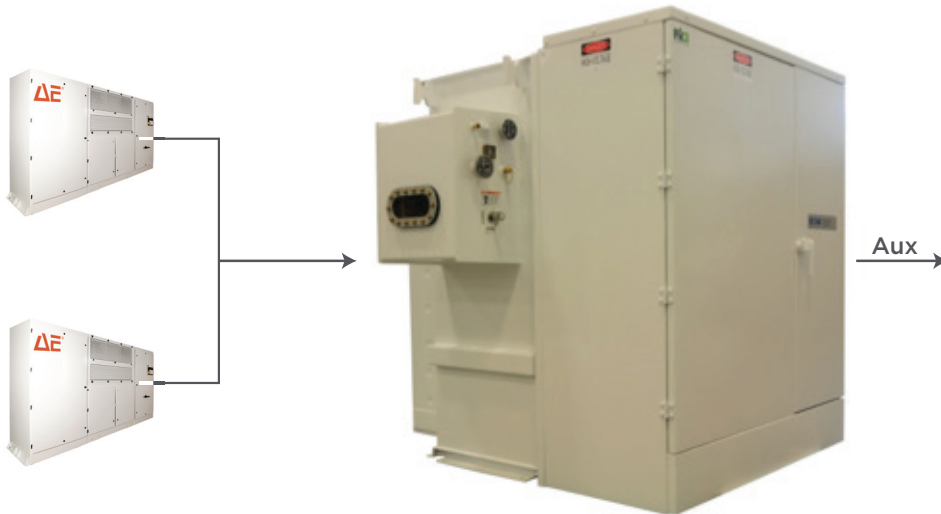


EATON'S COOPER POWER™ SERIES MEDIUM-VOLTAGE TRANSFORMERS FOR USE WITH AE 1000NX/1100NX INVERTERS

Advanced Energy® has partnered with Eaton to provide Cooper Power™ series medium-voltage (MV), step-up transformers specifically designed for optimized performance in solar installations with AE 1000NX and 1100NX inverters.

Offered exclusively through AE, these custom MV transformers combine the standard function of a step-up transformer and integrated 800 VAC over-current protection for 1000NX and 1100NX inverters. This unique integrated solution offers a compact and economical advantage over use of standard AC combining switch gear.



COOPER POWER SERIES

Benefits

- Engineered solution guarantees technical compatibility and reduces effort for system designers.
- Single-source solution simplifies procurement and support processes.
- Cost-effective solution provides lower installed cost than systems with stand-alone medium-voltage switch gear.
- AE reserved production reduces standard lead times.

Features

- 1000/1120 kVA solution for connection to a single inverter
- 2000/2240 kVA solution for connection of two inverters to a single transformer
- High side visible break switch meets system isolation requirements for installations under NEC 2011 or earlier.



General Specifications

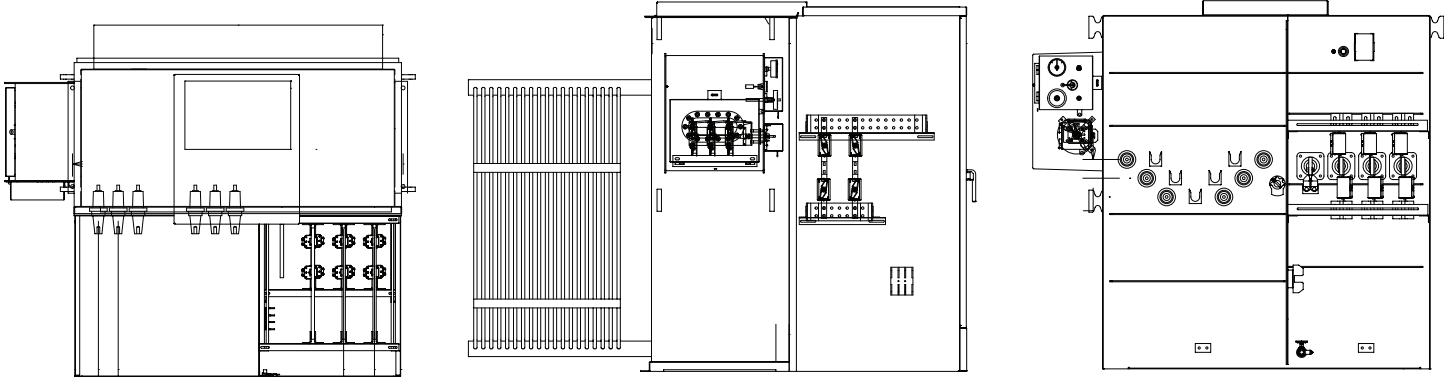
Contact AE for assistance in selecting a medium-voltage transformer for your specific 1000NX or 1100NX installation.

	1000/1120 kVA	2000/2240 kVA
Weight*	14,000 lb	15,500 lb
Dimensions*	2.44 m (W) x 2.97 m (D) x 2.06 m (H) 96"(W) x 117"(D) x 81"(H)	2.44 m (W) x 3.02 m (D) x 2.06 m (H) 96"(W) x 119"(D) x 81"(H)
Primary Voltage	Up to 35 kV	
Secondary Voltage	800 Y/462 V	
Temperature Rise	65/75°C	
Winding Material	Aluminum	
Cooling Class	KNAN	
Taps	+2/-2 at 2.5% each	
Primary Bushings	200 A bushing wells with 15/25 kV load-break inserts (15 kV and 25 kV class) 600 A, 35 kV load-break one-piece bushings (35 kV class)	
Load Break Switching	External, 2-position visible break switch	
Internal HV Fusing	Included	
LV Fusing	Integrated 800 VAC over-current fusing per inverter	
Insulating Fluid	FR3	
Compliance	UL® listed	
Standard Accessories	Liquid level gauge Thermometer Pressure/vacuum gauge Pressure relief device Drain valve with oil sampler	
Available Options**	High efficiency (DOE 2010 equivalent) Alarm contacts for gauges High elevation designs Stainless steel tank and cabinet Copper windings Alternate primary switch options with and without visible break window Auxiliary fusing for 1 phase aux power, 3 phase aux power, and/or effective grounding	

*Approximate values; not for construction

**Contact AE for additional custom specifications.

Typical Installation



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For more information on AE 1000NX and 1100NX inverters, please visit
http://solarenergy.advanced-energy.com/en/AE_1000NX_1100NX.html

Specifications are subject to change without notice.

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ENG-MVTransformer-AE1000NX-AE1100NX-250-01 0M 6.15