SANAKY®

TRANSFORMER CATALOGUE



https://sanaky-vn.com

Song Hong Viet Company Limited is a Vietnamese company specializing in manufacturing and trading of refrigeration products, home appliances, electrical transformers, and other electrical equipment. Among company system, **Branch of Song Hong Viet Company Limited** is dedicated to manufacture all types of transformers both oil-immersed and dry type, with maximum voltage of 220 kV and capacity of 250 MVA under **SANAKY** brand.

With our vision for strategic investment, **Branch of Song Hong Viet Company Limited** have built up factories nationwide with a total area of more than 250,000m², equipped with advanced technologies and world-leading production lines to bring high-quality products to the markets.

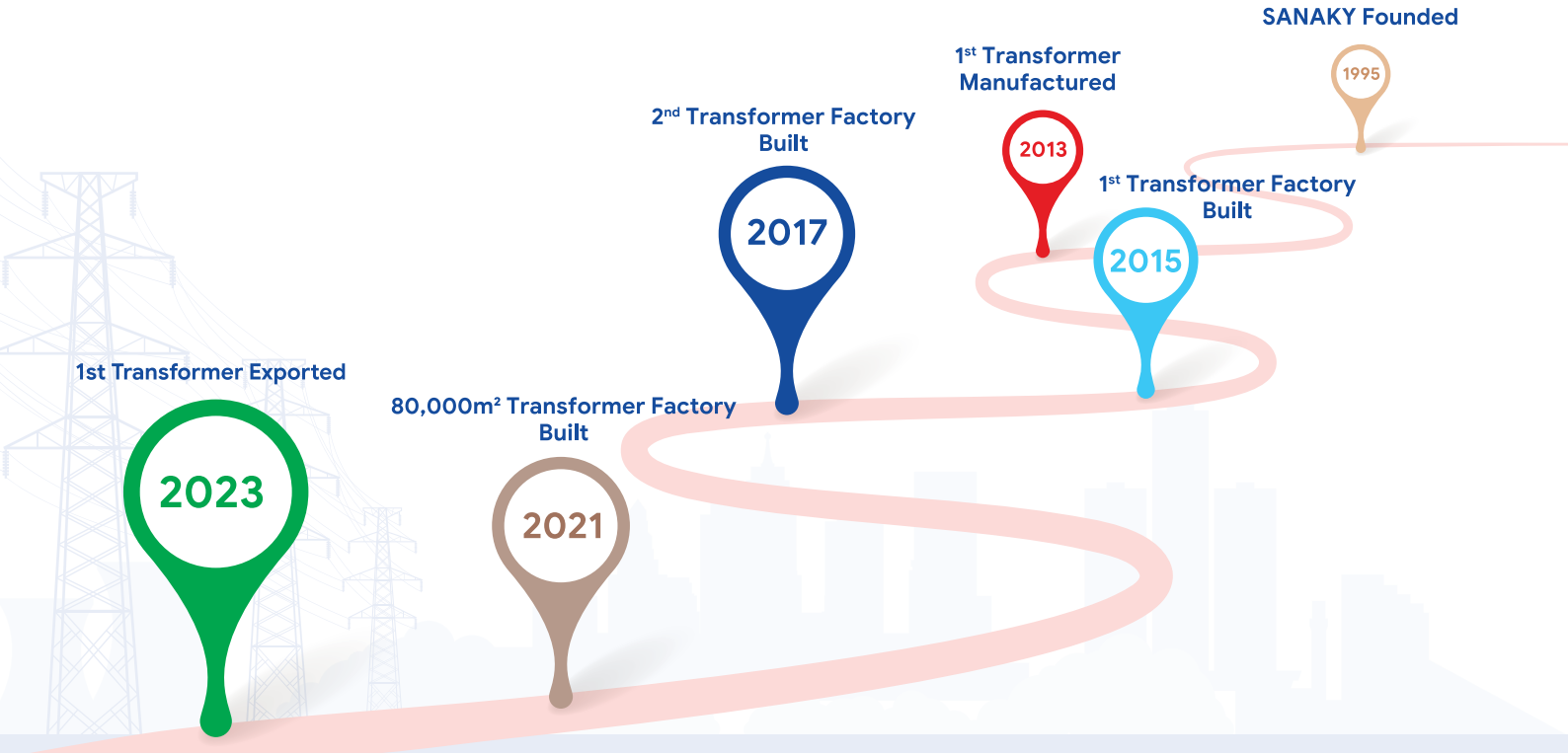
Throughout our development, we are proud of thousands of transformers and electrical equipment that have been supplied and energized for domestic and international key projects. Our products conform to the highest technical requirements and they are accredited and verified by our domestic and international partners and professional authorities.

SANAKY transformers have been certified by the Vietnam's Committee for Standards, Metrology, and Quality for conforming to the following standards: IEC 60076-1:2011, IEC 60076-2:1993, IEC 60076-3:2000. Our company is certified to conform to ISO 9001:2015, ISO 14001:2015 and CE (Conformité Européenne).

With a wealth of experience, dedication to our work, and a customer-oriented business strategy, we are committed to long-term cooperation, contribution to the nation's development, and we bring values and satisfaction to our partners.

Sincerely, Thanks !

DEVELOPMENT MILESTONES



250,000m²
FACTORIES NATIONWIDE

1000+
STAFF

4
TESTING LABS

WE ARE PROUD TO OFFER RELIABLE, CUTTING-EDGE, EFFICIENT, AND ECO-FRIENDLY SOLUTIONS FOR TRANSMISSION AND DISTRIBUTION NETWORKS.

Reliable

- 10+ years' experience
- Highly experienced engineers and experts
- World-class references

Efficient

- Lowest total cost of ownership with highest performance
- Optimized designs to minimize losses
- Fewer maintenance requirements

Cutting-Edge

- Intensive R&D investments
- Flexible design and production cycle
- Technology advancement

Sustainable

- Eco-design to minimize negative impacts on the environment
- Reduced maintenance cost

SANAKY TRANSFORMERS



POWER TRANSFORMER

- **Rating:** 10 MVA up to 300 MVA
- **Primary Voltage:** 245 kV and below
- **Secondary Voltage:** 66 kV and below
- **Standard Features for Conservator Type:**
  - High and Low voltage bushings
  - On/Off-circuit tap changer
  - Lifting lugs
  - Earthing terminals
  - Buchholz relay
  - Dehydrating breather
  - Pressure relief device
  - Dial type thermometer
  - Oil level gauge / Oil level indicator
  - Filling lug
  - Skid base
  - Drain valve
  - Rating plate

CAST RESIN DRY-TYPE TRANSFORMER

- **Voltage:** Up to 35 kV
- **Rating:** Up to 5,000 kVA
- **BIL:** Up to 200 kV
- **Insulation class 155 °C (F) – Average winding temperature rise 100 K**
- **Fire behavior class F1**
- **Climatic class C2**
- **Environmental class E2**
- **Partial discharge level ≤ 10 pC**

MEDIUM & LARGE DISTRIBUTION TRANSFORMER

- **Rating:** 1,000 kVA up to 30,000 kVA
- **Primary Voltage:** 36 kV and below
- **Secondary Voltage:** 36 kV and below
- **Model:**
  - Hermetically Sealed Type
  - Sealed Type
  - Conservator Type
- **Tank Design:**
  - Corrugated Wall (up to 5MVA)
  - Radiator Fins

SMALL DISTRIBUTION TRANSFORMER

- **Installation: Pole or Ground Mounted**
- **Rating:** 10 kVA up to 1,000 kVA
- **Primary Voltage:** 36 kV and below
- **Secondary Voltage:** 600 V and below
- **Model:**
  - Hermetically Sealed Type
  - Sealed Type
  - Conservator Type
- **Tank Design:**
  - Plain Tank (up to 70 kVA)
  - Corrugated Wall (up to 3 MVA)
  - Radiator Fins

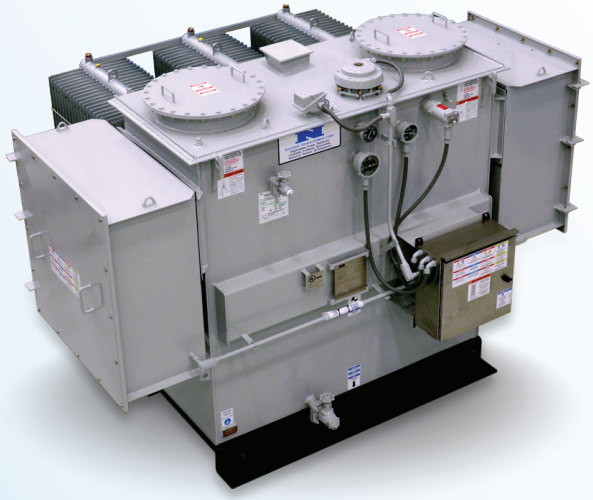


EARTHING TRANSFORMER

- **Voltage:** Up to 132 kV
- **Cooling Type:** ONAN, ONAF

THREE-PHASE PAD-MOUNTED TRANSFORMER

- **Capacity:** Up to 15,000 kVA
- **High Voltage:** 5 kV to 46 kV
- **Low Voltage:** 120 V to 25 kV
- **Available Fluids: Mineral oil and ester fluids**



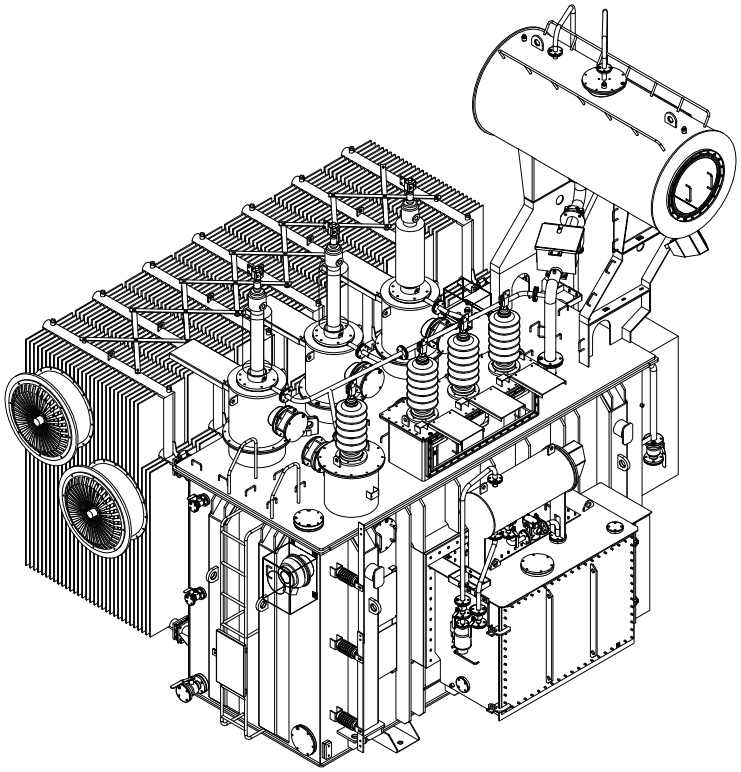
SINGLE-PHASE PAD-MOUNTED TRANSFORMER

- **Capacity:** Up to 250 kVA
- **High Voltage:** Up to 34.5 kV, 150 kV BIL
- **Low Voltage:** 480/240 V and below, 30 kV BIL
- **Available Fluids: Mineral oil and ester fluids**

RECTIFIER TRANSFORMER

- **Capacity:** Up to 30,000 kVA
- **Voltage:** Up to 77 kV
- **Cooling Type:** OFWF, OFAF, ONAN, ONAF

POWER TRANSFORMER



- The product is manufactured by Branch Of Song Hong Viet Company Limited, tested according to IEC 60076-1: 2011 to meet international standards on power transformers.

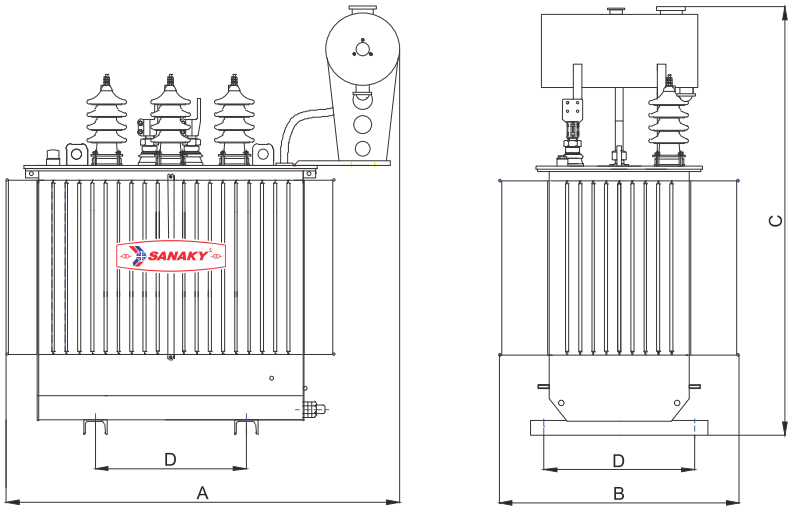
- The main materials constituting the product include: Silicon steel sheet from Japan, Korea; Electromagnetic wire/paper coated copper M1; Insulating oil of Swedish and American brands; OLTC from Germany; Insulating paper from Germany, Sweden or materials as requested by customers.

TECHNICAL SPECIFICATIONS *

Capacity (kVA)	Preliminary Weight (Tons)			Preliminary Dimensions (mm)		
	Active Part	Oil	Total	Length	Width	Height
10000	10	6	22	4500	3800	4300
25000	29	18	57	6500	5200	5600
40000	45	23	80	6700	5300	5800
63000	62	33	114	7300	5500	5900

** Technical specifications may vary according to customer requirements.*

THREE-PHASE DISTRIBUTION TRANSFORMER, OIL-IMMERSED, CONSERVATOR TYPE



TECHNICAL SPECIFICATIONS *

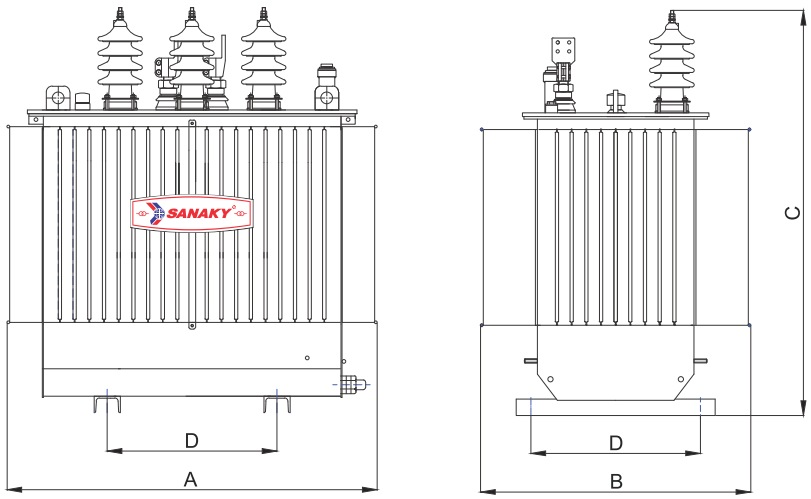
Number	Capacity (kVA)	Dimensions (mm)				Weight (kg)		
		A(±30)	B(±30)	C(±30)	D(±5)	Active	Oil	Total
1	50	1290	810	1340	520	320	205	670
2	75	1300	830	1380	520	400	225	770
3	100	1300	870	1410	520	425	225	800
4	160	1400	890	1420	520	530	280	1000
5	180	1400	900	1450	520	595	285	1075
6	250	1430	930	1500	520	710	295	1215
7	320	1380	930	1550	660	825	305	1340
8	400	1410	1000	1560	660	995	335	1550
9	560(500)	1540	1040	1690	660	1270	420	1975
10	630	1560	1070	1660	660	1285	435	2000
11	750(800)	1770	1110	1750	660	1450	495	2325
12	1000	1850	1150	1820	820	1700	550	2800
13	1250	1900	1160	1860	820	2000	590	3225
14	1600	2070	1320	1870	820	2420	755	4000
15	2000	2060	1360	1970	820	2700	785	4450
16	2500	2120	1400	2050	820	3050	885	4930
17	3200	2320	1510	2080	1070	4200	1145	6515
	Above 3200	Manufacturing according to customer requirements						

** Technical specifications may vary according to customer requirements.*

THREE-PHASE DISTRIBUTION TRANSFORMER, OIL-IMMERSED, HERMETICALLY SEALED TYPE

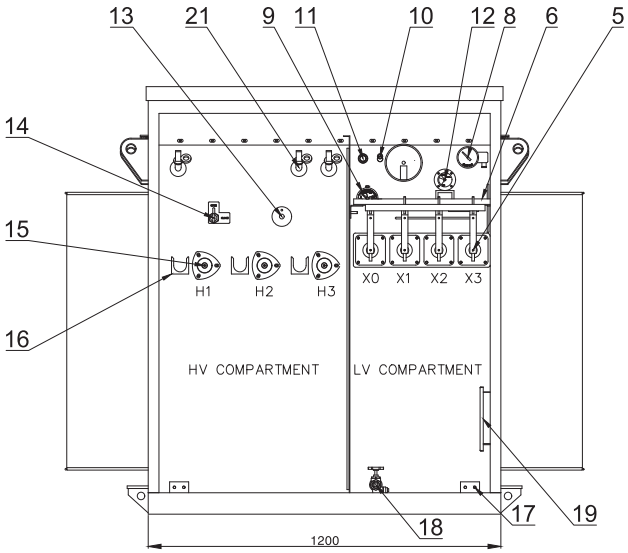
TECHNICAL SPECIFICATIONS *

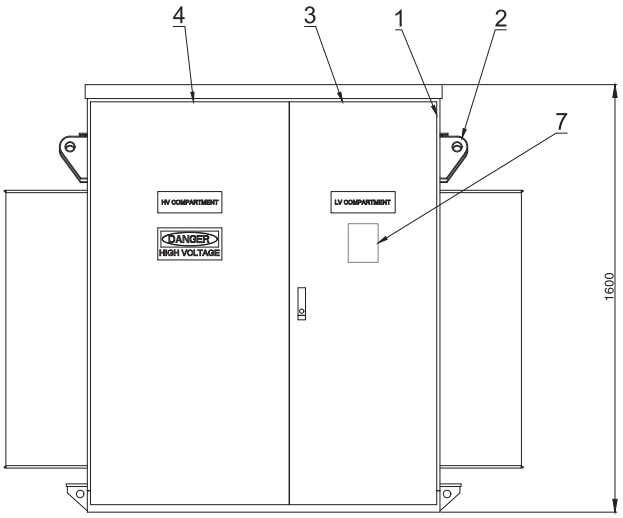
Number	Capacity (kVA)	Dimensions (mm)				Weight (kg)		
		A(±30)	B(±30)	C(±30)	D(±5)	Active	Oil	Total
1	50	1290	810	1340	520	320	205	670
2	75	1300	830	1380	520	400	225	770
3	100	1300	870	1410	520	425	225	800
4	160	1400	890	1420	520	530	280	1000
5	180	1400	900	1450	520	595	285	1075
6	250	1430	930	1500	520	710	295	1215
7	320	1380	930	1550	660	825	305	1340
8	400	1410	1000	1560	660	995	335	1550
9	560(500)	1540	1040	1690	660	1270	420	1975
10	630	1560	1070	1660	660	1285	435	2000
11	750(800)	1770	1110	1750	660	1450	495	2325
12	1000	1850	1150	1820	820	1700	550	2800
13	1250	1900	1160	1860	820	2000	590	3225
14	1600	2070	1320	1870	820	2420	755	4000
15	2000	2060	1360	1970	820	2700	785	4450
16	2500	2120	1400	2050	820	3050	885	4930
17	3200	2320	1510	2080	1070	4200	1145	6515
	Above 3200	Manufacturing according to customer requirements						

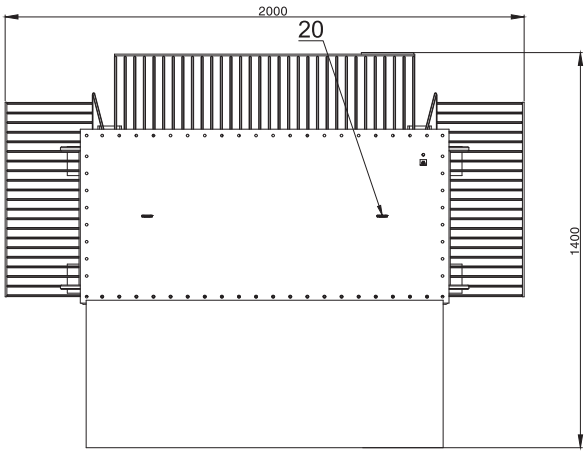


** Technical specifications may vary according to customer requirements.*

THREE-PHASE PAD-MOUNTED TRANSFORMER







TECHNICAL SPECIFICATIONS *

No.	Rating (kVA)	Winding Material	No-load Loss Po (W)	Load Loss Pk (W)	Total Loss (W)	Dimensions L x W x H (mm)
1	45	Cu/Cu	112	450	562	1060 x 960 x 1290
2		Al/Al	112	472	584	
3	75	Cu/Cu	187	750	937	1080 x 980 x 1320
4		Al/Al	187	787	974	
5	112.5	Cu/Cu	281	1125	1406	1100 x 1000 x 1350
6		Al/Al	281	1181	1462	
7	150	Cu/Cu	375	1500	1875	1120 x 1020 x 1380
8		Al/Al	375	1575	1950	
9	225	Cu/Cu	562	2250	2812	1150 x 1050 x 1425
10		Al/Al	562	2362	2924	
11	300	Cu/Cu	750	3000	3750	1170 x 1070 x 1455
12		Al/Al	750	3150	3900	
13	400	Cu/Cu	1000	4000	5000	1200 x 1100 x 1500
14		Al/Al	1000	4200	5200	
15	500	Cu/Cu	1250	5000	6250	1220 x 1120 x 1530
16		Al/Al	1250	5250	6500	
17	750	Cu/Cu	1875	7500	9375	1270 x 1170 x 1605
18		Al/Al	1875	7875	9750	
19	1000	Cu/Cu	2500	10000	12500	1310 x 1210 x 1665
20		Al/Al	2500	10500	13000	
21	1500	Cu/Cu	3750	15000	18750	1380 x 1280 x 1770
22		Al/Al	3750	15750	19500	
23	2000	Cu/Cu	5000	20000	25000	1440 x 1340 x 1860
24		Al/Al	5000	21000	26000	
25	2500	Cu/Cu	6250	25000	31250	1500 x 1400 x 1950
26		Al/Al	6250	26250	32500	
27	3000	Cu/Cu	7500	30000	37500	1540 x 1440 x 2010
28		Al/Al	7500	31500	39000	
29	4000	Cu/Cu	10000	40000	50000	1630 x 1530 x 2145
30		Al/Al	10000	42000	52000	
31	5000	Cu/Cu	12500	50000	62500	1700 x 1600 x 2250
32		Al/Al	12500	52500	65000	
33	7500	Cu/Cu	18750	75000	93750	1860 x 1760 x 2490
34		Al/Al	18750	78750	97500	

** Technical specifications may vary according to customer requirements.*

Notes:

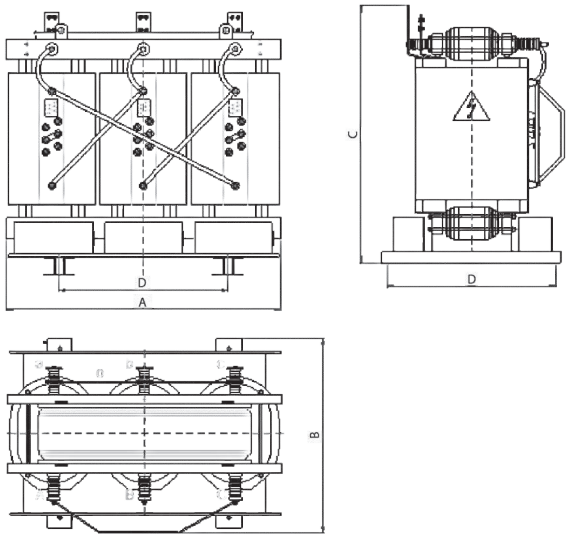
1. Cabinet
2. Lifting lug for transformer
3. Cabinet door (LV compartment)
4. Cabinet door (HV compartment)
5. LV Bushings
6. Support for LV bushings
7. Rating plate
8. Pressure gauge
9. Oil thermometer
10. Pressure relief valve w/o contact
11. Oil filling pipe
12. Oil level indicator
13. Off-load Tap changer
14. Position Load switch
15. HV Bushings
16. Cable accessory parking stand
17. Grounding pad
18. Oil drain valve with sampler
19. Terminal box
20. Lifting lug for cover
21. Bay-O-Net fuse

CAST RESIN DRY-TYPE TRANSFORMER

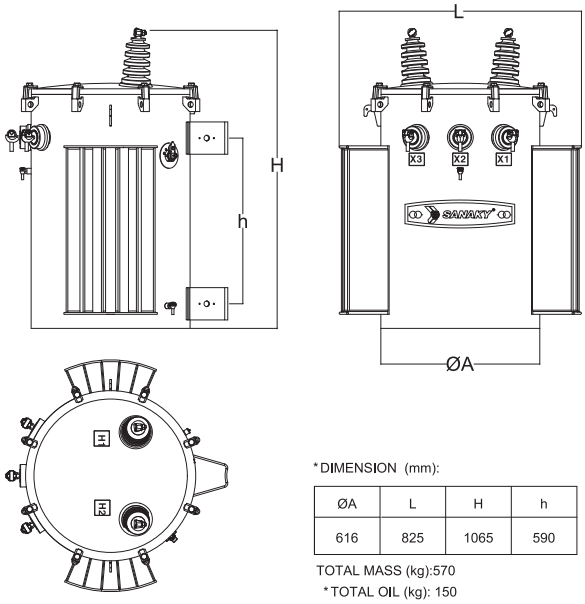
TECHNICAL SPECIFICATIONS *

Number	Capacity (kVA)	Dimensions (mm)				Weight (kg)
		A	B	C	D	
1	250	1150	990	1210	660	1100
2	320	1195	1000	1250	660	1230
3	400	1270	1020	1250	660	1300
4	560	1330	1060	1320	820	1800
5	630	1310	1060	1380	820	1800
6	750	1370	1110	1430	820	2000
7	1000	1400	1120	1500	820	2300
8	1250	1480	1120	1600	820	2700
9	1600	1650	1150	1750	820	3200
10	2000	1750	1300	1770	1070	3800
11	2500	1850	1300	1770	1070	5000
12	3200	2050	1350	1850	1070	5900
	Above 3200	Manufacturing according to customer requirements				

** Technical specifications may vary according to customer requirements.*



SINGLE-PHASE TRANSFORMER



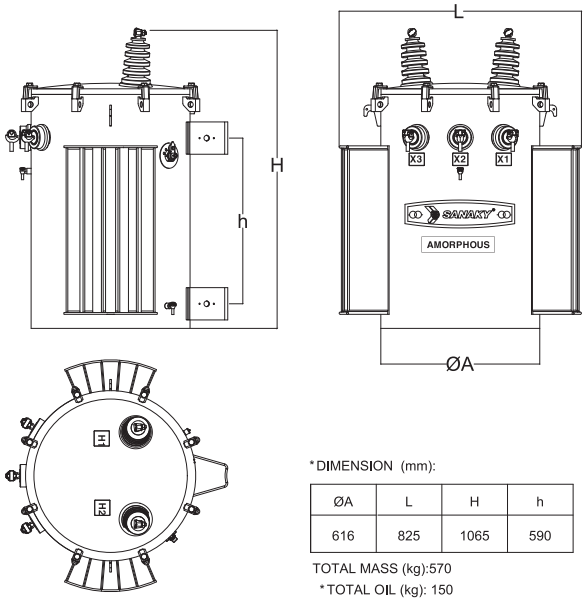
*DIMENSION (mm):

ØA	L	H	h
616	825	1065	590

TOTAL MASS (kg):570
*TOTAL OIL (kg): 150

*FOR REFERENCE ONLY

SINGLE-PHASE TRANSFORMER AMORPHOUS



*DIMENSION (mm):

ØA	L	H	h
616	825	1065	590

TOTAL MASS (kg):570
*TOTAL OIL (kg): 150

*FOR REFERENCE ONLY

TECHNICAL SPECIFICATIONS *

No.	Rating (kVA)	TRANSFORMER WITH SILICON CORE			TRANSFORMER WITH AMORPHOUS CORE		
		No-load Loss Po (W)	Load Loss Pk (W)	Total Loss (W)	No-load Loss Po (W)	Load Loss Pk (W)	Total Loss (W)
1	15	50	195	245	15	195	210
2	25	80	290	370	18	290	308
3	37.5	105	360	465	30	360	390
4	50	135	500	635	32	500	532
5	75	190	650	840	45	650	695
6	100	210	850	1060	50	850	900

** Technical specifications may vary according to customer requirements.*

POWER TRANSFORMER CAPACITY

Top 3 Manufacturers of Large Transmission Transformers (110 kV - 220 kV) in Vietnam

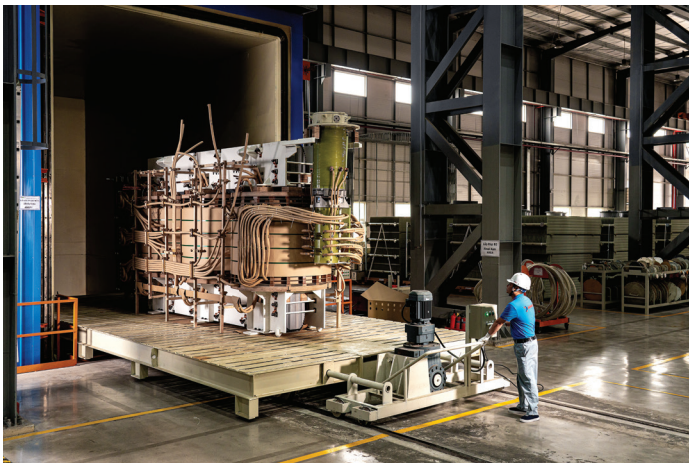
- Capacity: 20 units/month
- Testing labs meet international standard (ISO/IEC 17025) and are accredited by Vietnam Government authorities (VILAS)











DISTRIBUTION TRANSFORMER CAPACITY

Factories: 02 (1 in the North and 1 in the South of Vietnam)

- Capacity: about 20 units/day
- Testing labs meet international standard (ISO/IEC 17025) and are accredited by Vietnam Government authorities (VILAS)

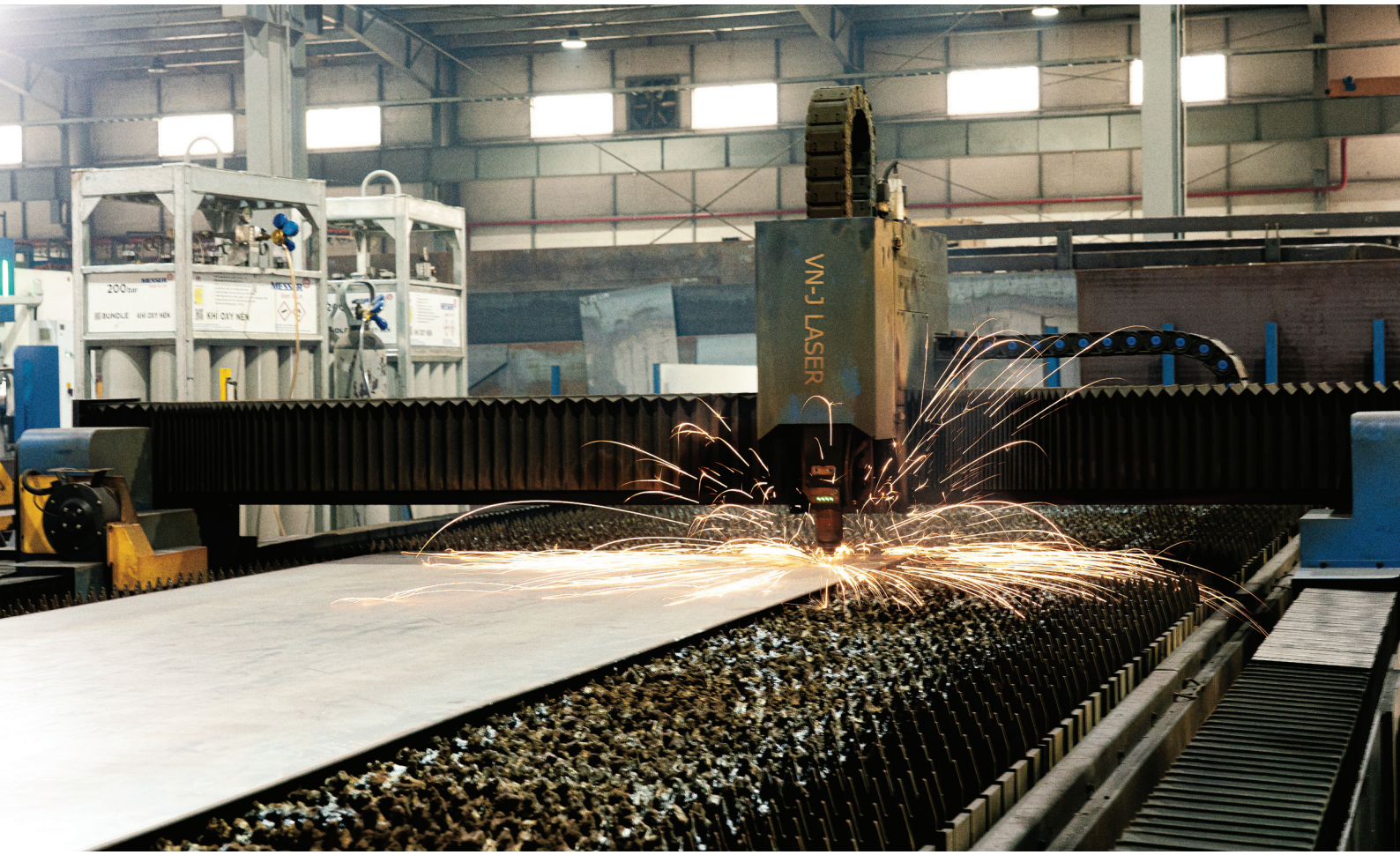




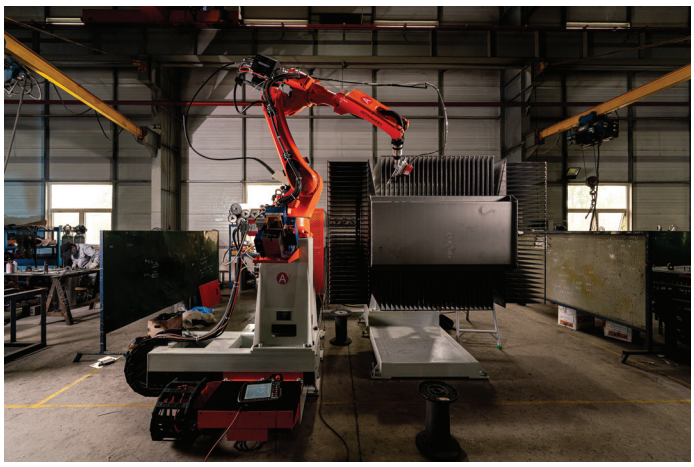







VN-J LASER






AMADA



We are one of the manufacturers with extensive testing capacity. Today, we can carry out electrical and functional tests at our 4 fully-owned test laboratories in accordance with the requirements of recognised standards such as IEC, ANSI, IEEE.

Our accredited tests include:

- Measurement of insulation resistance;
- Measurement of dielectric dissipation factor (tan δ);
  and insulation capacitance of windings and HV bushings;
- Measurement of voltage ratio and check of phase displacement;
- Measurement of DC winding resistance;
- Measurement of no-load loss and no-load current;
- On-load tap changer (OLTC) operation test;
- Measurement of load loss and short-circuit impedance;
- Lightning impulse test;
- Applied voltage withstand test at power frequency;
- Induced voltage withstand test;
- Measurement of partial discharge;
- Determination of sound levels;
- Measurement of zero-sequence impedance(s) of three-phase transformers;
- Temperature-rise type test;
- Sweep frequency response analysis (SFRA);
- Measurement of dielectric frequency response (DFR);
- Measurement of the power taken by the fan and liquid pump motors;
- Test Insulation of Auxiliary wiring;
- Leak testing with pressure for liquid-immersed transformers (tightness test);
- Determination of ratios, polarity.



BỘ KHOA HỌC VÀ CÔNG NGHỆ
VĂN PHÒNG CÔNG NHẬN CHẤT LƯỢNG

MINISTRY OF SCIENCE AND TECHNOLOGY
BUREAU OF ACCREDITATION (BoA)

Member of ILAC/APAC MRA

CHỨNG CHỈ CÔNG NHẬN
Certificate of Accreditation

Phòng thí nghiệm:
PHÒNG THỬ NGHIỆM MÁY BIẾN ÁP LỰC
CHI NHÁNH CÔNG TY TNHH SÔNG HỒNG VIỆT

Laboratory:
POWER TRANSFORMER TESTING LABORATORY
BRANCH OF SONG HONG VIET COMPANY LIMITED

Địa điểm PTN/ Lab location:
Lô đất CN-09 Khu công nghiệp Đồng Văn IV, xã Nhật Tân, huyện Kim Bảng, tỉnh Hà Nam
đã được đánh giá và phù hợp các yêu cầu của
has been assessed and found to conform with the requirements of
ISO/IEC 17025:2017

Lĩnh vực công nhận
Field of Accreditation
ĐIỆN – ĐIỆN TỬ
Electrical - Electronic
Mã số
Accreditation No
VILAS 1506

GIÁM ĐỐC
VĂN PHÒNG CÔNG NHẬN CHẤT LƯỢNG
(Director of Bureau of Accreditation)

TRẦN THỊ THU HÀ

Ngày/ Date of Issue: 21/06/2023 (Annex of decision: 1213/QĐ-VPCNCL date 21/06/2023)
Hiệu lực công nhận/ Period of validation: up to 21/06/2026
Hiệu lực lần đầu/ Beginning of accreditation: 21/06/2023



BỘ KHOA HỌC VÀ CÔNG NGHỆ
VĂN PHÒNG CÔNG NHẬN CHẤT LƯỢNG

MINISTRY OF SCIENCE AND TECHNOLOGY
BUREAU OF ACCREDITATION (BoA)

Member of ILAC/APAC MRA

CHỨNG CHỈ CÔNG NHẬN
Certificate of Accreditation

Phòng thí nghiệm:
PHÒNG THỬ NGHIỆM MÁY BIẾN ÁP PHÂN PHỐI
CHI NHÁNH CÔNG TY TNHH SÔNG HỒNG VIỆT

Laboratory:
POWER TRANSFORMERS TESTING DEPARTMENT
BRANCH OF SONG HONG VIET COMPANY LIMITED

Địa điểm PTN/ Lab location:
Lô đất CN-09 Khu công nghiệp Đồng Văn IV, xã Nhật Tân, huyện Kim Bảng, tỉnh Hà Nam
đã được đánh giá và phù hợp với các yêu cầu của tiêu chuẩn
has been assessed and found to conform with the requirements of standard
ISO/IEC 17025:2017

Lĩnh vực công nhận
Field of Accreditation
ĐIỆN - ĐIỆN TỬ
Electrical - electronic
Mã số
Accreditation No
VILAS 1194

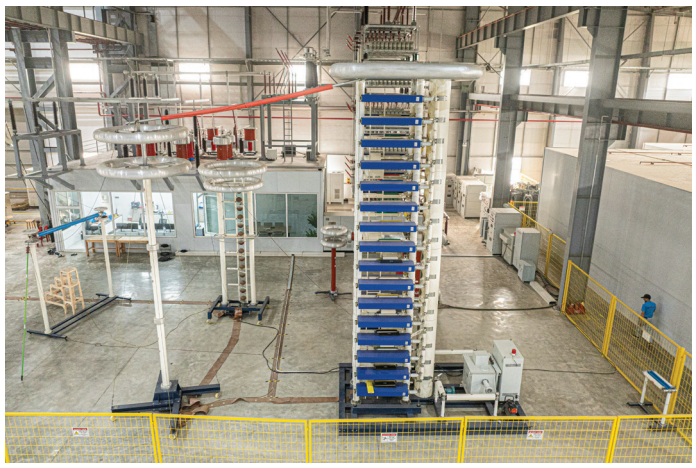
GIÁM ĐỐC
VĂN PHÒNG CÔNG NHẬN CHẤT LƯỢNG
(Director of Bureau of Accreditation)

TRẦN THỊ THU HÀ

Kèm theo Quyết định công nhận số/ Accompanied with Decision no: 3204/QĐ-VPCNCL ngày/ dated 09/12/2024
Chứng chỉ có hiệu lực từ ngày/ This certificate is valid from: 09/12/2024 đến/ to 21/01/2030
Ngày được công nhận lần đầu/ Initial accreditation date: 22/01/2019

POWER TRANSFORMER TESTING









DISTRIBUTION TRANSFORMER TESTING





Quality and performance are core principles of our company's approach. Each transformer we produce is custom-built, tailored to specific requirements like voltage, power capacity, environmental conditions, etc. Our team is committed to providing top-tier, high-performing products to our clients.

Our production facilities operate under certified quality management systems, including ISO 9001-2015, ISO 14001-2015, ensuring consistent excellence. Our company has also been granted CE certification for transformers products exporting to European market.



COMMISSION FOR THE STANDARDS, METROLOGY AND QUALITY OF VIET NAM (STAMEQ)
VIETNAM CERTIFICATION CENTRE (QUACERT)

CERTIFICATE

This is to certify that the Quality Management System of:

BRANCH OF SONG HONG VIET COMPANY LIMITED

Address: Lot CN-09, Dong Van IV industrial zone, Kim Thanh ward, Ninh Binh province, Vietnam

has been assessed and found to conform with the requirements of the following standard

TCVN ISO 9001:2015 / ISO 9001:2015

Certification Scope: Design, manufacture and supply of transformers; Supply of transformers repair and refurbishment services.

Certificate Number: HT 4680/1.25.19

The validity of this Certificate: from 12 September 2025 to 11 September 2028

QUACERT - 8 Hoang Quoc Viet, Nghia Do Ward, Cau Giay Dist, Ha Noi, Viet Nam
The validity of this certificate can be checked at website: www.quacert.gov.vn and www.jas-anz.org/register



VIETNAM UNION OF SCIENCE AND TECHNOLOGY ASSOCIATIONS
INSTITUTE FOR STANDARD AND QUALITY DEVELOPMENT STUDIES

CERTIFICATE

BRANCH OF SONG HONG VIET COMPANY LIMITED
Lot CN09, Dong Van IV Industrial park, Kim Thanh Ward, Ninh Binh Province, Vietnam

has been assessed and found to conform
with the requirements of the following standard:
ISO 14001:2015
Environmental Management System
for the following activities:

**Designing, manufacturing, and supplying transformers;
Providing transformer repair services.(*)**

(Code: 28, 33, 46*)

Certificate number: HM 612; Code: 612-25-01/00
First time certification: 21 / 9 / 2022
Period of validation: From 27 / 9 / 2025 to 26 / 9 / 2028
(In order to maintain the 3-year validity of the Certificate, the unit must complete the 1st monitoring evaluation procedure before the date 26 / 9 / 2026, the 2nd monitoring before the date 26 / 9 / 2027)

CERTIFICATION BOARD CHAIRMAN
Professor. Dr. Nguyen Hong Son

P.P. DIRECTOR
VICE DIRECTOR
Le Huu Thang

INSTITUTE FOR STANDARD AND QUALITY DEVELOPMENT STUDIES
Address: No. 52/46, Lien Mac street, Thuong Cat ward, Hanoi, Vietnam
Tell: 024 2266 1111/ 0981851111; Website: issq.org.vn; Email: tcvn@issq.org.vn

Note: (*) Scope of Environmental management system has been accredited in accordance with the Standard ISO/IEC 17021-1:2015 & ISO/IEC 17021-2:2016



Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Form QAT_10-M05, version 03, effective since June 19th, 2023

CERTIFICATE

No. 6Pv240424.BOSDQ68

Certificate's Holder: BRANCH OF SONG HONG VIET COMPANY LIMITED

Certification ECM Mark: Type Approved

Product: POWER TRANSFORMER
Brand Name: SANAKY
Model(s): *(see the following annex)*

Verification to: Standard:
EN IEC 60076-1:2011, EN IEC 60076-2:2011,
EN IEC 60076-14:2013, EN IEC 60076-11:2018,
EN IEC 61558-1:2019, EN IEC 61558-2-14:2013,
EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019,
EN IEC 61000-3-2:2019+A1:2021,
EN IEC 61000-3-3:2013+A1:2019+A2:2021

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark:
The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directive/standard. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. This document was issued in accordance with regulation RGVOL01 published on the website of www.entecerma.it and concerning voluntary certifications with a non-notified procedure.

Issuance date: 24 April 2024
Expiry date: 23 April 2029

For online check:

Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 +39 051 6705156 info@entecerma.it www.entecerma.it

TYPICAL INTERNATIONAL PROJECTS

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
1	**Distribution Transformer** Brand: SANAKY Type: 3-phase, Oil Immersed, Conservator Capacity: 5000kVA Voltage: 13.8/0.44kV Winding: Copper – Copper Core: Silicon Steel Vector Group: YNd11 Frequency: 60Hz Standard: IEC 60076	01	Silagan, Davao Mining Project	The Philippines	2023
2	**Distribution Transformer** Brand: SANAKY Type: 3-phase, Dry -Type Cast Resin Capacity: 2500kVA Voltage: 33/0.4kV Winding: Copper – Copper Core: Silicon Steel Vector Group: DYN11 Frequency: 50Hz Standard: IEC 60076	04	BESS Project South Australia	Australia	2023
3	**Power Transformer** Brand: SANAKY Type: 3-phase, Oil Immersed, Conservator Capacity: 15/18.5 MVA Voltage: 67/13.2kV Winding: Copper – Copper Core: Silicon Steel. Vector group: DYN1 Frequency: 60Hz On Load Tap Changer (UBBRT 350/150, Pos Hitachi Energy, Sweeden) Standard: IEC-60076	01	CENECO Substation	The Philippines	2023
4	**Distribution Transformer** Brand: SANAKY Type: 3-phase, Oil Immersed, Hermertically Sealed, Capacity: 2500kVA Voltage: 13.2/0.44kV Winding: Copper – Copper Core: Silicon Steel Vector Group: DYN11 Frequency: 60Hz Standard: IEC-60076	01	Luzon Rice Mill	The Philippines	2023
5	**Earthing Transformer** Brand: SANAKY Type: Oil-immersed with Conservator Voltage: 33/0.4kV Capacity: 500kVA Primary Neutral Rated Thermal Current/Max. duration: 600A-10s Cooling method: ONAN Windings for HV/LV: Copper Core: Silicon Steel Vector group: ZNyn1 Frequency: 50Hz Standard: IEC60076	01	BESS Project South Australia	Australia	2024

TYPICAL INTERNATIONAL PROJECTS

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
6	**Earthing Transformer** Brand: SANAKY 33kV 600A-10s earthing transformer 600A-10s with 500KV AUX Frequency: 50Hz Standard: IEC60076	01	BESS Project South Australia	Australia	2024
7	**Distribution Transformer** Brand: SANAKY Type: 3 phase, Epoxy, Dry-type transformer Capacity: 1500kVA Rated Voltage: 34.5/0.415kV Windings: Copper for HV and LV. Cooling method: AN/AF Vector group: Yyn12. Frequency: 60Hz Core: Silicon steel Standard: IEC-60076	01	IDC Manila Complex Building Project	The Philippines	2024
8	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, oil immersed, Hermetically Sealed Capacity: 2000kVA Rated Voltages:13.8/0.4kV Windings: Aluminum for HV and LV Core: Silicon Steel Vector group: DYN11 Frequency: 60Hz Standard: IEC-60076	01	ILAGAN Arena, Luzon	The Philippines	2024
9	**Power Transformer** Brand: SANAKY Type: Oil immersed, 3-phase, Conservator Capacity: 30/40 MVA, Voltage: 69/13.8kV, Transformer, , ONAN/ONAF Vector Group: DYN1 Frequency: 60Hz Winding Materials for HV/LV: Copper Porcelain Bushings OLTC (ABB UBB) AVR included Standard: IEC-60076	01	Midanao Mining Site	The Philippines	2024
10	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, oil immersed Conservator Capacity: 270kVA Rated Voltages: 380/300-300V Vector Group: Dd0Y11 Frequency: 50Hz Core: Silicon Steel For steel factory Standard: IEC-60076	02	FUJI JAPAN Project in Vietnam	Vietnam	2024
11	**Solar Transformer** Brand: SANAKY Type: 3-Phase, oil immersed, Conservator Capacity: 2500kVA Rated Voltages: 33/0.415V Vector Group: Dyn11 Frequency: 50Hz Core: Silicon Steel Standard: IEC60076	04	Solar Project	Sri Lanka	2024

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
12	**Solar Transformer** Brand: SANAKY Type: 3-Phase, oil immersed, Conservator Capacity: 800kVA Rated Voltages: 33/0.415V Vector Group: Dyn11 Frequency: 50Hz Core: Silicon Steel Standard: IEC60076	01	Solar Project	Sri Lanka	2024
13	**Power Transformer** Brand: SANAKY Type: Oil immersed, 3-phase, Conservator Capacity: 15/18.75 MVA, Voltage: 67/13.2kV Cooling method: ONAN/ONAF Vector Group: DYN11 Frequency: 60Hz Winding Materials for HV/LV: Copper Porcelain Bushings OLTC (ABB UBB) Standard: ANSI-C57.12.00	01	Substation for Electric Cooperative	The Philippines	2025
14	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, oil immersed, Hermetically Sealed Capacity: 400kVA Rated Voltages: 20/0.4kV Windings: Aluminum for HV and LV Core: Silicon Steel Vector group: DYN11 Frequency: 50Hz Standard: IEC-60076, ECO DESIGN	05	Substation for Solar Projects	Greece	2025
15	**Power Transformer** Brand: SANAKY Type: Oil immersed, 3-phase, Conservator Capacity: 20/25 MVA, Voltage: 69/13.8Kv Cooling method: ONAN/ONAF Vector Group: DYN11 Frequency: 60Hz Winding Materials for HV/LV: Copper Porcelain Bushings OLTC (Hitachi Energy-UBB Type) Standard: ANSI-C57.12.00	04	Substation for Electric Cooperatives	The Philippines	2025
16	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 5/6.25 MVA Voltage: 34.5/13.2 kV Windings: Copper for HV and LV Core: Silicon Core Steel Vector group: DYN11 Standard: IEC60076	01	Complex Building in Manila Philippines	The Philippines	2025

TYPICAL INTERNATIONAL PROJECTS

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
17	**Solar Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 3 MVA Voltage: 33/0.8 kV Windings: Copper for HV and LV Core: Silicon Core Steel Vector group: DYN11 Standard: IEC60076	14	Solar Projects	Sri Lanka	2025
18	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 2.5 MVA Voltage: 33/0.4 kV Windings: Copper for HV and LV Core: Silicon Core Steel Vector group: DYN11 Standard: IEC60076	15	Solar Project	Sri Lanka	2025
19	**Distribution Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 2.75 MVA Voltage: 33/0.8 kV Windings: Copper for HV and LV Core: Silicon Core Steel Vector group: DYN11 Standard: IEC60076	01	Solar Project	Sri Lanka	2025
20	**Single Phase Pole-Mounted Transformer** Brand: SANAKY Type: Single Phase, Oil immersed Capacity: From 25 to 75 kVA Voltage: 13.2/0.24 kV Windings: Copper for HV and LV Core: Amorphous Core Steel Standard: ANSI	200 (50 for each rating)	Different Electric Cooperatives	The Philippines	2025
21	**Earthing Transformer** Brand: SANAKY Type: Oil-immersed with Conservator Voltage: 33/0.4kV Capacity: 500kVA Primary Neutral Rated Thermal Current/Max. duration: 1000A/10s Cooling method: ONAN Windings for HV/LV: Copper Core: Silicon Steel Vector group: ZNyn1 Standard: IEC60076	01	Solar Farm in Australia	Australia	2025
22	**Distribution Transformer** Type: 3-Phase, Oil-immersed, Hermetically Sealed Transformer Capacity: 100kVA Voltage: 13.8/0.415kV Frequency: 60Hz Winding Materials for HV/LV: Copper Aluminum Bushings: Porcelain Core: Silicon Core Steel Vector group: DYN11 Off Load Tap Changer Standard IEC60076	01	Different Electric Cooperatives	The Philippines	2025

TYPICAL INTERNATIONAL PROJECTS

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
23	**Sanaky Power Transformer** Type: Oil-immersed, 3-phase, Conservator Type Power Transformer Capacity: 10/12.5 MVA Voltage: 69/13.2kV Frequency: 60Hz Cooling method: ONAN/ONAF Winding Materials for HV/LV: Copper OFF-LOAD TAP CHANGER Gasket: Viton Type Bushings: Porcelain Core: Silicon Core Steel Vector group: DYN11 Standard IEC60076	01	TIGAON Substation	The Philippines	2025
24	**Solar Transformer** Type: 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 100 kVA Voltage: 33/0.4 kV Winding Materials for HV/LV: Copper Vector group: DYN11 Porcelain Bushings Core: Silicon Core Steel Standard: IEC60076	04	Solar Project	Sri Lanka	2025
25	**Sanaky Power Transformer Brand**: SANAKY Type: Oil-immersed, 3-phase, Conservator Type Power Transformer Capacity: 20/25MVA Voltage: 67 (+6/-6x1.25%)/13.8kV Cooling method: ONAN/ONAF Winding Materials for HV/LV: Copper OFF-LOAD TAP CHANGER Gasket: Viton Type Bushings: Porcelain Core: Silicon Core Steel Vector group: DYN11Gasket: Viton (FPM)/USA Intelligent Maintenence-Free Dehydrator for main tank: MESSKO/-Germany OFF Load Tap Changer Frequency: 60Hz Standard IEC60076		SABANG Substation	The Philippines	2025
26	**Distribution Transformer Brand:** SANAKY Type: Oil Immersed, 3 Phase, Hermetically Sealed Transformer Capacity: 1500kVA Voltage: 13.8/0.4kV Cooling Method: ONAN Winding Materials for HV/LV: Copper-Aluminum Vector group: DYN11 Frequency: 60Hz Standard: IEC60076	01	Substation for Electric Cooperative	The Philippines	2025
27	**Solar Transformer Brand:** SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 3MVA Voltage: 33/0.8 kV Winding Materials for HV/LV: Copper Core: Silicon Core Steel Vector group: DYN11 Frequency: 50Hz Standard: IEC60076	01	Solar Projects	Sri Lanka	2025

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
28	**Solar Transformer Brand:** SANAKY Type: 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 100kVA Voltage: 33/0.4 kV Winding Materials for HV/LV: Copper Vector group: DYN11 Porcelain Bushings Core: Silicon Core Steel Frequency: 50Hz Standard: IEC60076	01	Solar Projects	Sri Lanka	2025
29	**Solar Transformer Type:** 3-Phase, Oil-immersed, Conservator Transformer Capacity: 2500 kVA Voltage: 33/0.8 kV Windings of HV-LV: Copper Type of Cooling: ONAN Bushings: Porcelain Core: Silicon Core Steel Frequency: 50Hz Vector group: DYN11 Standard: IEC60076	01	Solar Projects	Sri Lanka	2025
30	**Solar Transformer Type:** 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 100 kVA Voltage: 33/0.4 kV Windings for HV/LV: Copper Type of Cooling: ONAN Bushings: Porcelain Core: Silicon Core Steel Frequency: 50Hz Vector group: DYN11 Standard: IEC60076	01	Solar Projects	Sri Lanka	2025
31	**Solar Transformer Type:** 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 2000 kVA Voltage: 33/0.8 kV Windings of HV-LV: Copper Type of Cooling: ONAN Bushings: Porcelain Core: Silicon Core Steel Frequency: 50Hz Vector group: DYN11 Standard: IEC60076	01	Solar Project	Sri Lanka	2025
32	**Solar Transformer Type:** 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 100 kVA Voltage: 33/0.4 kV Windings for HV/LV: Copper Type of Cooling: ONAN Bushings: Porcelain Core: Silicon Core Steel Frequency: 50Hz Vector group: DYN11 Standard: IEC60076	01	Solar Project	Sri Lanka	2025
33	**Distribution Transformer Type:** 3-Phase, Oil-immerse Hermetically Sealed Transformer Capacity: 1200 kVA Voltage: 13.2/0.4 kV Windings of HV-LV: Copper - Copper Frequency: 60Hz Bushings: Porcelain Core: Silicon Core Steel Vector group: DYN11 Standard: IEC60076 (With HV and LC cable box)	01	Substation for Electric Cooperative	The Philippines	2025

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
34	**Solar Transformer Type:** 3-Phase, Oil-immersed, Hermetically Sealed Type Capacity: 100 kVA Voltage: 33/0.4 kV Windings for HV/LV: Copper Type of Cooling: ONAN Bushings: Porcelain Core: Silicon Core Steel Frequency: 50Hz Vector group: DYN11 Standard: IEC60076	01	Solar Project	Sri Lanka	2025
35	**Single Phase Pole Mounted Transformer** Brand: SANAKY Type: Single Phase, Oil immersed Capacity: From 10 to 50kVA Voltage: 13.2/0.24 kV Winding Materials for HV/LV: Copper-Aluminum Core: Amorphous Core Steel Frequency: 60Hz Standard: IEC60076	254	Different Electric Cooperatives	The Philippines	2025
36	**Single Phase Pole Mounted Transformer**: Brand: SANAKY Type: Single Phase, Oil immersed Capacity: 15kVA Voltage: 13.2/0.24 kV Winding Materials for HV/LV: Copper-Copper Core: Silicon Core Steel Frequency: 60Hz Standard: IEC60076	27	Different Electric Cooperatives	The Philippines	2025
37	**Single Phase Pole Mounted Transformer**: Brand: SANAKY Type: Single Phase, Oil immersed Capacity: From 15 to 75kVA Voltage: 13.2/0.24 kV Winding Materials for HV/LV: Copper-Copper Core: Amorphous Core Steel Frequency: 60Hz Standard: IEC60076	192	Different Electric Cooperatives	The Philippines	2025
38	**Sanaky Power Transformer** Brand: SANAKY Type: Oil Immersed, 3 Phase Conservator Transformer Capacity: 20/25MVA Voltage: 67/13.8 kV Frequency: 60Hz Cooling Method: ONAN/ONAF HV & LV Windings Materials: Copper Vector group: DYN11 OLTC: Vaccum Tap VVIII Type, MR, Germany Gasket: Viton (FPM)/USA Standard: IEC60076	01	NEW CANDON Substation	The Philippines	2025
39	**Sanaky Power Transformer** Brand: SANAKY Type: Oil Immersed, 3 Phase Conservator Transformer Capacity: 20/25MVA Voltage: 67/13.2 kV Frequency: 60Hz Cooling Method: ONAN/ONAF HV & LV Windings Materials: Copper Vector group: DYN11 OFF-LOAD TAP CHANGER, MR, CAPT SERIES Gasket: Viton (FPM)/USA Standard: IEC60076	01	TALAVERA Substation	The Philippines	Scheduled to be delivered in February 2026

TYPICAL INTERNATIONAL PROJECTS

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
40	**Sanaky Power Transformer** Brand: SANAKY Type: Oil Immersed, 3 Phase Conservator Transformer Capacity: 20/25MVA Voltage: 69/13.2 kV Frequency: 60Hz Cooling Method: ONAN/ONAF HV & LV Windings Materials: Copper Vector group: DYN11 OLTC: UZF TYPE, HITACHI ENERGY Gasket: Viton (FPM)/USA Standard: IEC60076	01	SAN JOSE GUSU Substation	The Philippines	Scheduled to be delivered in February 2026
41	**Distribution Transformer** Brand: SANAKY Type: Oil Immersed, 3 Phase, Hermetically Sealed Transformer Capacity: 1000kVA Voltage: 13.8/0.46kV Winding Materials for HV/LV: Copper-Copper Core: Silicon Core Steel Frequency: 60Hz Standard: IEC60076	01	Different Electric Cooperatives	The Philippines	2025
42	**Distribution Transformer** Brand: SANAKY Type: Oil Immersed, 3 Phase, Hermetically Sealed Transformer Capacity: 2000kVA Voltage: 13.8/0.46kV Winding Materials for HV/LV: Copper-Copper Core: Silicon Core Steel Frequency: 60Hz Standard: IEC60076	01	Different Electric Cooperatives	The Philippines	2025
43	**Solar Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 3MVA Voltage: 33/0.8 kV Winding Materials for HV/LV: Copper Core: Silicon Core Steel Vector group: DYN11	02	Solar Projects	Sri Lanka	2025
44	**Solar Transformer** Brand: SANAKY Type: 3-Phase, Oil immersed, Conservator Capacity: 100kVA Voltage: 33/0.4 kV Winding Materials for HV/LV: Copper Core: Silicon Core Steel Vector group: DYN11 Frequency: 50Hz Standard: IEC60076	01	Solar Projects	Sri Lanka	2025
45	**Earthing Transformer** Brand: SANAKY Type: Oil-immersed with Conservator Voltage: 33/0.4kV Capacity: 500kVA Primary Neutral Rated Thermal Current/Max. duration: 1000A/10s Cooling method: ONAN Winding Materials for HV/LV: Copper Core: Silicon Core Steel Vector group: ZNyn1 Frequency: 50Hz Standard: IEC60076	01	Solar Farm in Australia	Australia	2025

SR.	TRANSFORMER DESCRIPTION	QUANTITY	PROJECT	COUNTRY	YEAR
46	**Single Phase Pole Mounted Transformer** Brand: SANAKY Type: Single Phase, Oil immersed Capacity: From 167kVA to 250kVA Voltage: 34.5/19.92 kV Winding Materials for HV/LV: Copper Core: Amorphous Core Steel Frequency: 60Hz Standard: ANSI	01	Different Electric Cooperatives	The Philippines	2025
47	**SANAKY POWER TRANSFORMER** Type: Oil-immersed, 3-phase, Conservator Power Transformer Capacity: 15/18.75 MVA Rated voltage: 67/13.8kV Frequency: 60Hz Cooling method: ONAN/ONAF Vector Group: DYN11 Windings for HV and LV: Copper Electronic air breather (free of maintenance): Messko, Germany OFF-LOAD TAP CHANGER Gasket: Normal Type Standard: IEC-60076	01	CEBECO II BORBON Substation	The Philippines	Scheduled to be delivered in April 2026
48	**SANAKY POWER TRANSFORMER** Type: Oil-immersed, 3-phase, Conservator Power Transformer Capacity: 20/25MVA Rated voltage: 67+-2x2.5%/13.2kV Frequency: 60Hz Cooling method: ONAN/ONAF Vector Group: DYN11 Windings for HV and LV: Copper Gasket: Viton (FPM) OFF-LOAD TAP CHANGER Standard: IEC-60076	01	ZAMECO I SALAZA Substation	The Philippines	Scheduled to be delivered in April 2026
49	**SANAKY POWER TRANSFORMER** Type: Oil-immersed, 3-phase, Conservator Power Transformer Capacity: 15/18.75 MVA Rated voltage: 67/13.8kV Frequency: 60Hz Cooling method: ONAN/ONAF Vector Group: DYN11 Windings for HV and LV: Copper Arresster Bracket For Both Primary and Secondary Side ON LOAD TAP CHANGER: UBB TYPE, HITACHI ENERGY Gasket: Viton (FPM)	01	CAGELCO II APARRI	The Philippines	Scheduled to be delivered in April 2026
50	**SANAKY DISTRIBUTION TRANSFORMER** Type: Three Phase, Epoxy Cast Resin Dry-Type Transformer Capacity: 100kVA Voltage: 13.2/0.24 kV Cooling method: ONAN/ONAF Ventor Group: DYN11 Frequency: 60Hz Windings for HV and LV: Copper-Cooper Standard: IEC-60076	01	SAN JOSE CUSU	The Philippines	Scheduled to be delivered in March 2026


SANAKY


SANAKY


SANAKY
Camarines Sur IV Electric Cooperative, Inc.
Talojongon, Tigaon, Camarines Sur
COMMISSIONING
OF UPGRADED
10 MVA TIGAON
SUBSTATION
3:00 PM
3 February 2026 | Tuesday
CASURECO IV HOTLINE
0956 812 0059
Visit our website
www.casureco4.com


SANAKY

TYPICAL INTERNATIONAL PROJECTS

PHILIPPINES | CAS4 TIGAON - 10-12.5 MVA







TYPICAL INTERNATIONAL PROJECTS

PHILIPPINES | CEBECO II - SABANG - 20-25 MVA



PHILIPPINES | MIDANAO MINING - 20-25 MVA



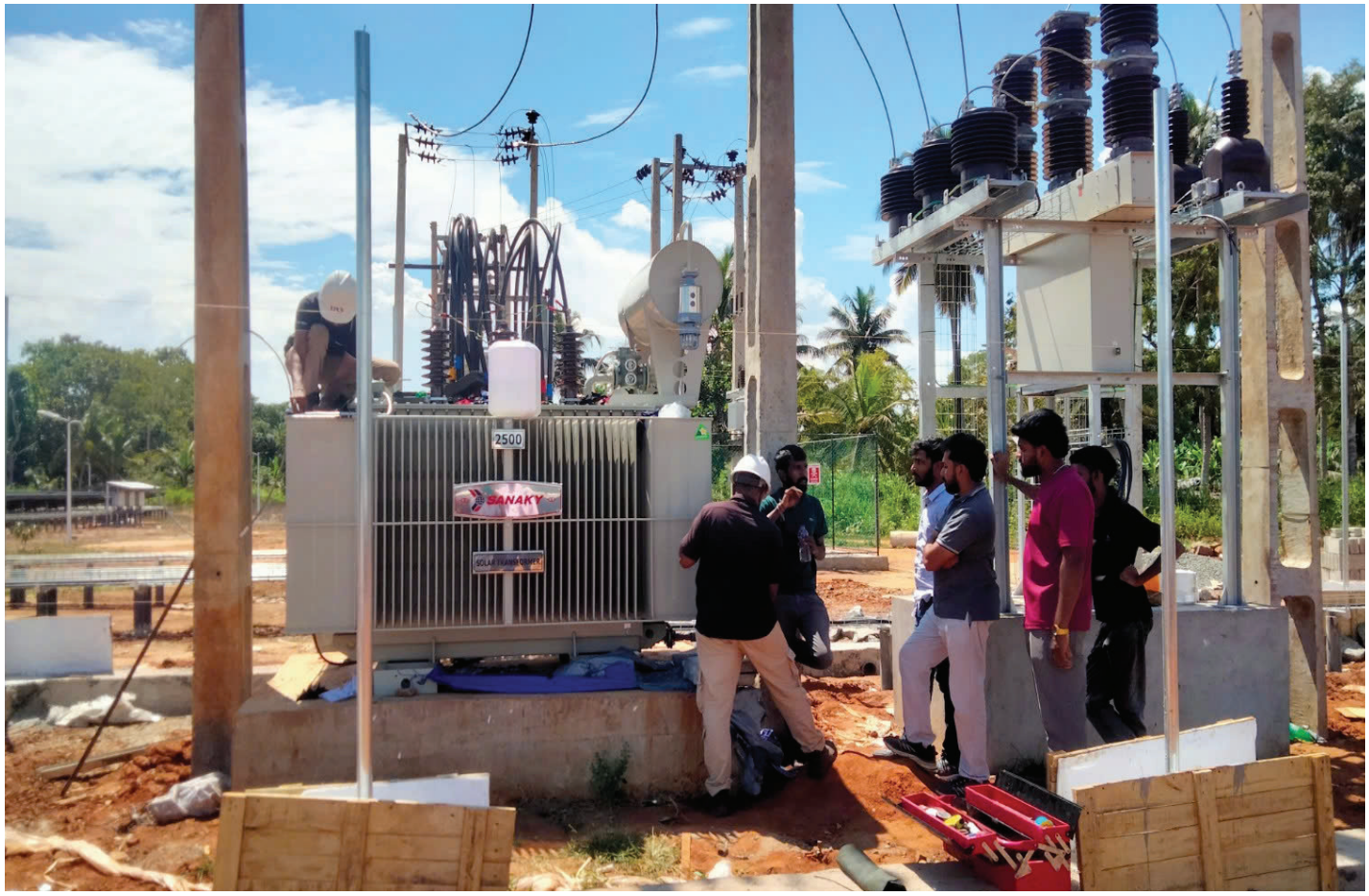
TYPICAL INTERNATIONAL PROJECTS

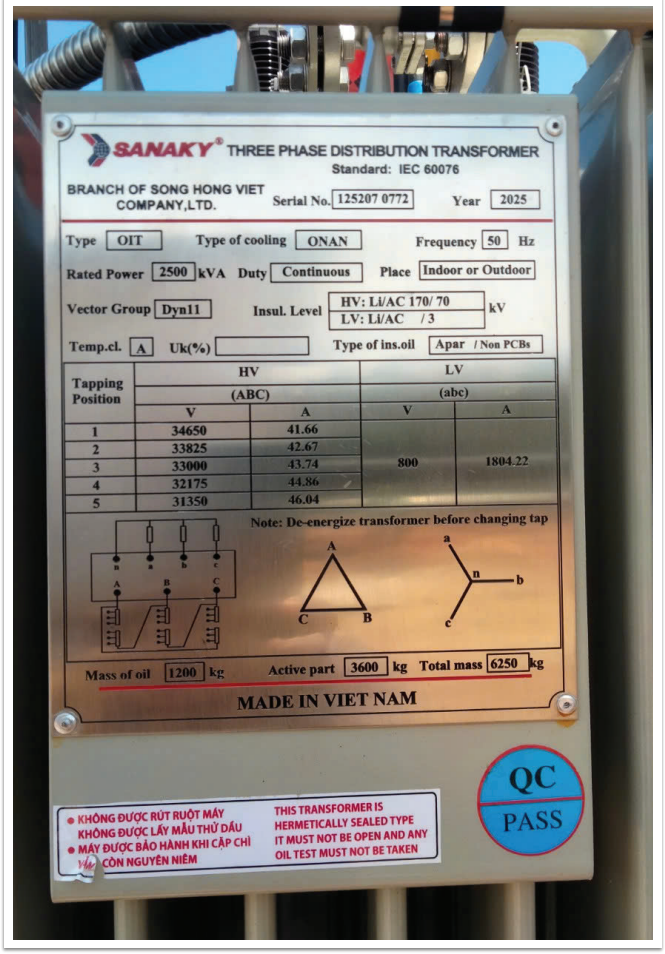
PHILIPPINES | NEECO 2 A1 - TALAVERA - 20-25 MVA

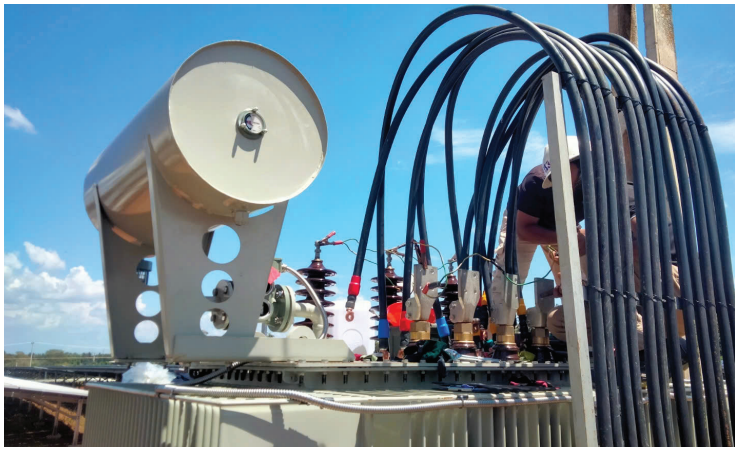







2500
SANAKY


SANAKY® THREE PHASE DISTRIBUTION TRANSFORMER
Standard: IEC 60076
BRANCH OF SONG HONG VIET COMPANY,LTD.
Serial No. 125207 0772
Year 2025
Type OIT
Type of cooling ONAN
Frequency 50 Hz
Rated Power 2500 kVA
Duty Continuous
Place Indoor or Outdoor
Vector Group Dyn11
Insul. Level HV: LI/AC 170/ 70 kV
LV: LI/AC / 3
Temp.cl. A
Uk(%)
Type of ins.oil Apar / Non PCBs
Tapping Position
HV (ABC) V A
LV (abc) V A
1 34650 41.66
2 33825 42.67
3 33000 43.74
4 32175 44.86
5 31350 46.04
800
1804.22
Note: De-energize transformer before changing tap
Mass of oil 1200 kg
Active part 3600 kg
Total mass 6250 kg
MADE IN VIET NAM
KHÔNG ĐƯỢC RÚT RUỘT MÁY
KHÔNG ĐƯỢC LẤY MẪU THỬ DẦU
MÁY ĐƯỢC BẢO HÀNH KHI CẶP CHÌ CÒN NGUYÊN NIÊM
THIS TRANSFORMER IS HERMETICALLY SEALED TYPE IT MUST NOT BE OPEN AND ANY OIL TEST MUST NOT BE TAKEN
QC PASS




1252070772

TYPICAL INTERNATIONAL PROJECTS

AUSTRALIA | AUXILIARY TRANSFORMER - 500 kVA



JAPAN | 2400 kVA



SANAKY FOOTPRINT



SANAKY®

BRANCH OF SONG HONG VIET COMPANY LIMITED

HA NOI HEAD OFFICE

22 TRAN THU DO, YEN SO WARD, HANOI CITY, VIETNAM.

HO CHI MINH BRANCH

485-487 HOANG VAN THU, TAN SON NHAT WARD, HO CHI MINH CITY, VIETNAM.

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