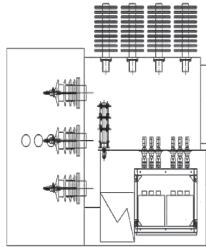
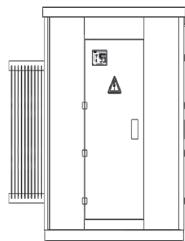
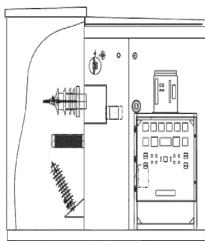




PAD MOUNTED TRANSFORMERS (10kV ~ 35kV)



Side Access



Open Enclosure



3-Phase Pad Mounted Transformer

Applications:

Pad mounted transformers are the ideal choice for underground distribution installations such as shopping centers, schools, manufacturing facilities, and industrial plants. Perfect for any situation where underground cabling is preferred, these three-phase commercial pad-mounted distribution transformers are also utilized for step-up applications in solar energy installations.

Features:

- Premium Durability:** Superior moisture and thermal stress resistance allow for extended insulation system life and overall system reliability by reducing the frequency of outages.
- Certified Quality:** Pad mounted transformers are manufactured, tested and delivered our in accordance with all applicable standards (ANSI, IEEE) maintaining US compliance which simplifies service and retrofitting.
- Energy Efficient:** Designed to accommodate heavier base loading for extended periods of time with low energy loss and minimal partial discharge for optimized energy savings.
- Robust Protection:** Enclosure offers customizable protection levels, ensuring reliable performance in many extreme weather and industrial environments.

Lead Time:

Approximately **8 weeks** after drawings approved.

*Photos shown for visual reference only—actual product specifications may vary based on manufacturing and order requirements.

PAD MOUNTED TRANSFORMERS (10kV ~ 35kV)

No.	Description	Unit	Data
1	Rated Voltage	HV Side	kV ≤ 36
		LV Side	kV $0.208 - 0.6$
2	Rated Capacity	kVA	$50 \sim 5000$
3	Off-Circuit Tap-Charger		$\pm 2 \times 2.5\%$
4	Vector Group		Dy11 / Dyn11 / YNd11 / Dyn11yn11 / Yd11d11
5	Rated Insulation Level	Lightning Impulse Withstand Voltage	HV kV ≤ 150
		Power Frequency Withstand Voltage	HV kV ≤ 150
			LV kV 10
6	Sound Level	Lightning Impulse Withstand Voltage	LV kV 30
7	Protection Level		Tank: NEMA 3R & IP68 \ HV & LV Cabinet: IP54
8	Cooling Method		KNAN
9	Transformer Insulation Grade		A
10	Oil Top Temperature Rise		60K
11	Winding Temperature Rise		65K
Specifications for Load Switch		12kV	27kV
Lightning Impulse Withstand Voltage (Peak, Full Wave)	To The Earth, Alternate	75kV	200kV
	Isolation Fracture Space	85kV	235kV
Power Frequency Withstand Voltage	To The Earth, Alternate	42kV	95kV
	Isolation Fracture Space	48kV	118kV
Current Rating		630A	400A
Rated Short Circuit Closing Current (peak)		40kA	31.5kA
Rated Short-Time Withstand Current		16kA/2S	12kA/2S
Rated Short-Term Endurance Time		2S	2S
Rated Peak Withstand Current		40kA	31.5kA
Mechanical Life		2000	2000
Current-Free Time Between Fractures During Opening and Closing		11 ~ 15	11 ~ 15

Working Conditions

- Outdoor installation
- Max. ambient temperature: 113° F (45° C)
- Min. temperature: -40° F (-40° C)
- Max. wind speed ≥ 30 m/s
- Altitude: ≤ 3000 m
- Relative humidity: $\leq 90\%$ (without condensation)
- Customized engineering available on request



GRID INFRASTRUCTURE SOLUTIONS

5 Park Plaza, Suite 640
Irvine, CA 92614

Email: sales@grid-infrastructure.com
Phone: +1 (949) 570-8998
Website: grid-infrastructure.com