

# Teros<sup>™</sup> Recloser

Guard the Grid with Confidence

**G&W** Electric  
Engineered to order. Built to last.

## Teros Meaning: "To guard or watch over"

### TEROS™ RECLOSER Guard the Grid with Confidence

As a leader in the recloser industry, G&W Electric has a proven track record of innovating reliable power grid solutions in the Americas. With the introduction of the Teros recloser, G&W Electric brings the same level of commitment, quality and service to the global market.

Teros is a three-phase gang operated 15 and 27kV recloser that offers utilities responsible for electric distribution systems the perfect combination of durability and affordability for overcurrent protection. Built to be a modular, turnkey solution, the Teros recloser is a reliable and cost-efficient way to improve system reliability and grid resiliency.

Cable Terminal Lugs

Solid Dielectric Insulation

Current & Voltage Sensors

Lifting Provisions

Pole Mounting Bracket Provisions

Manual Trip and Lockout Handle

Position Indicator

Magnetic Actuator



## FEATURES AND BENEFITS

### Simplified Mechanism

Contains a minimum of operating components and no operating electronics in the mechanism. This simplicity translates into a lightweight, highly reliable and maintenance-free device.

### Visibility

Viewing window on the mechanism cover allows for clear visibility of the position indicator from a safe distance at the bottom of the pole.

### Smart Features

Integration of 6 voltage sensors makes Teros fully site-ready for distribution automation applications, and allows customers to be ready for any future automation needs.

### Modular Platform

Simple, modular layout of the control components allows for fast and easy service throughout the life of the control, as well as the ease of adding future communication equipment.

### Environmental

External conditions can negatively impact the reliability and longevity of a recloser system. Standardizing on higher creepage modules and sealing the mechanism significantly reduces the potential of adverse conditions from damaging the recloser throughout its service life.

### Reliability

G&W Electric's recloser experience and commitment to quality, service and support ensures the highest level of reliability.

### Serviceability

Our recloser system is specifically designed based on direct customer feedback to have easy access to all electronic components that are part of all recloser systems. This translates to a design platform that has all the critical operating electronic components inside the control instead of in the recloser mechanism.

## RATINGS & SPECIFICATIONS

	15kV	27kV
<b>Nominal System Voltage</b> (kV RMS)	15.0	25.0
<b>Rated Maximum Voltage</b> (kV RMS)	15.5	27.0
<b>Nominal Frequency</b> (Hz)	50/60	50/60
<b>Phase Spacing on 3-Phase Units</b> (mm)	381	381
<b>BIL</b> (kV)	110	125
<b>Power Frequency Withstand- Dry</b> (kV)	50	60
<b>Power Frequency Withstand- Wet</b> (kV)	50	60
<b>Continuous Current</b> (A RMS)	630	630
<b>CT Ratio</b>	600/300:1	600/300:1
<b>Voltage Sensor Ratio</b>	6000:1	6000:1
<b>Short-Circuit Breaking Current</b> (kA, RMS Symmetrical)	16.0	16.0
<b>Peak Withstand Current</b> (kA)	41.6	41.6
<b>Short-Circuit Making Current</b> (kA, Peak)	41.6	41.6
<b>Short-Time Current Withstand Current</b> (3 Seconds)	16.0	16.0
<b>Creepage Distances</b> (mm, Line-to-Ground)	955	955
<b>Line-Charging Breaking Current</b> (A)	25	25
<b>Cable-Charging Breaking Current</b> (A)	5	5
<b>Arc-Extinction Medium</b>	Vacuum	Vacuum
<b>Insulation Medium</b>	Solid Dielectric	Solid Dielectric
<b>Mechanical Operations</b>	10,000	10,000
<b>Normal Operating Temperatures</b> (°C)	-10 to 65	-10 to 65
<b>CT Accuracy</b>	+/-1%	+/-1%
<b>Voltage Sensor Accuracy</b> (Load/Line)	+/-3%	+/-3%
<b>Weight</b> (kg)	225	225

## APPLICATIONS

### RECLOSING

- High-speed clearing of temporary faults
- Radial overcurrent protection

### SECTIONALIZING/SWITCHING

- Load break switching
- Open Tie points

### AUTOMATION PLATFORM

- System reconfiguration
- Automatic transfers

### STANDARD COMPLIANCE

IEC 62271-111 (2019) / IEEE C37.60 (2018)

### CONTROL OPTIONS

GE R650 Control - A Global Leader in Relay Protection Devices

### GE R650 RELAY

- Ensures seamless integration between controller and recloser device
- Supports the latest in communications technologies and protocols (DNP, IEC 61850, etc.)
- Provides standard security tools to ensure that device integration into new or existing SCADA, OMS or DMS is simple and secure



## AVAILABLE OPTIONS & ACCESSORIES

FRAMES	CABLE LENGTHS	RELAY	CONTROL	LUG	BIRD GUARD	ARRESTOR BRACKET PROVISIONS
Alley Arm	10m	GE R650 (Mild Steel Enclosure)	Provisions for Radio	Aerial Clamp Type (Cable Range: 35mm - 240mm <sup>2</sup> )	None	None
Cross Arm	3m	GE R650 (Stainless Steel Enclosure)	Heater	NEMA 2 Hole	Included	Source & Load Side Brackets
Substation	6m			NEMA 4 Hole		
	15m			None		
	18.1m					
	21.5m					

Standard Model      Pre-Engineered Solutions

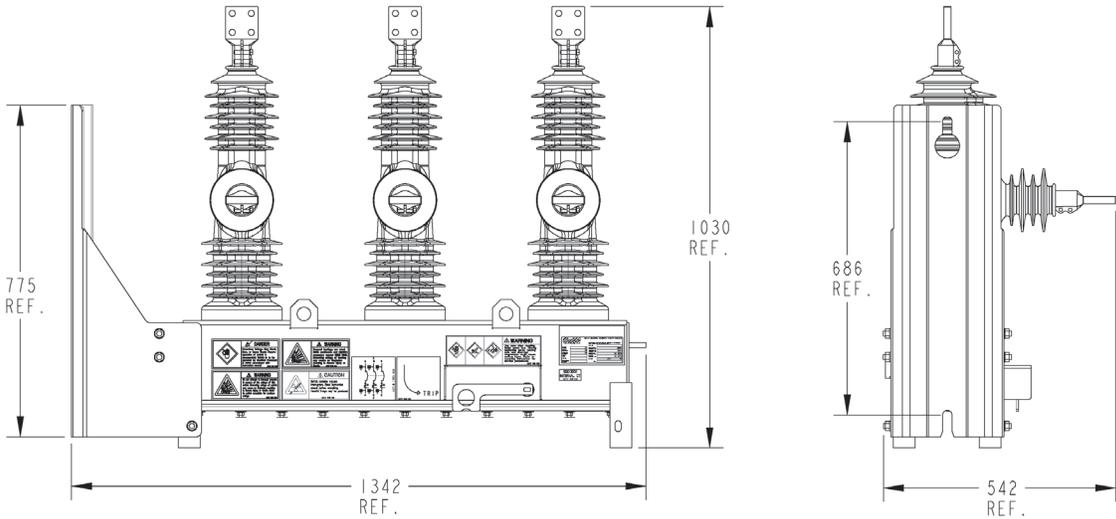
## ORDERING/CATALOG INFORMATION

CATALOG STRUCTURE					
Product Abbreviation	Number of Phases	Voltage Class	Continuous Current	Product	Type
TER	3 = Three Phase Ganged	7 = 15.5kV	6 = 630A	ER = Electronic Recloser	16 = 16.0kA Interrupting
	3 = Three Phase Ganged	8 = 27kV	6 = 630A	ER = Electronic Recloser	16 = 16.0kA Interrupting

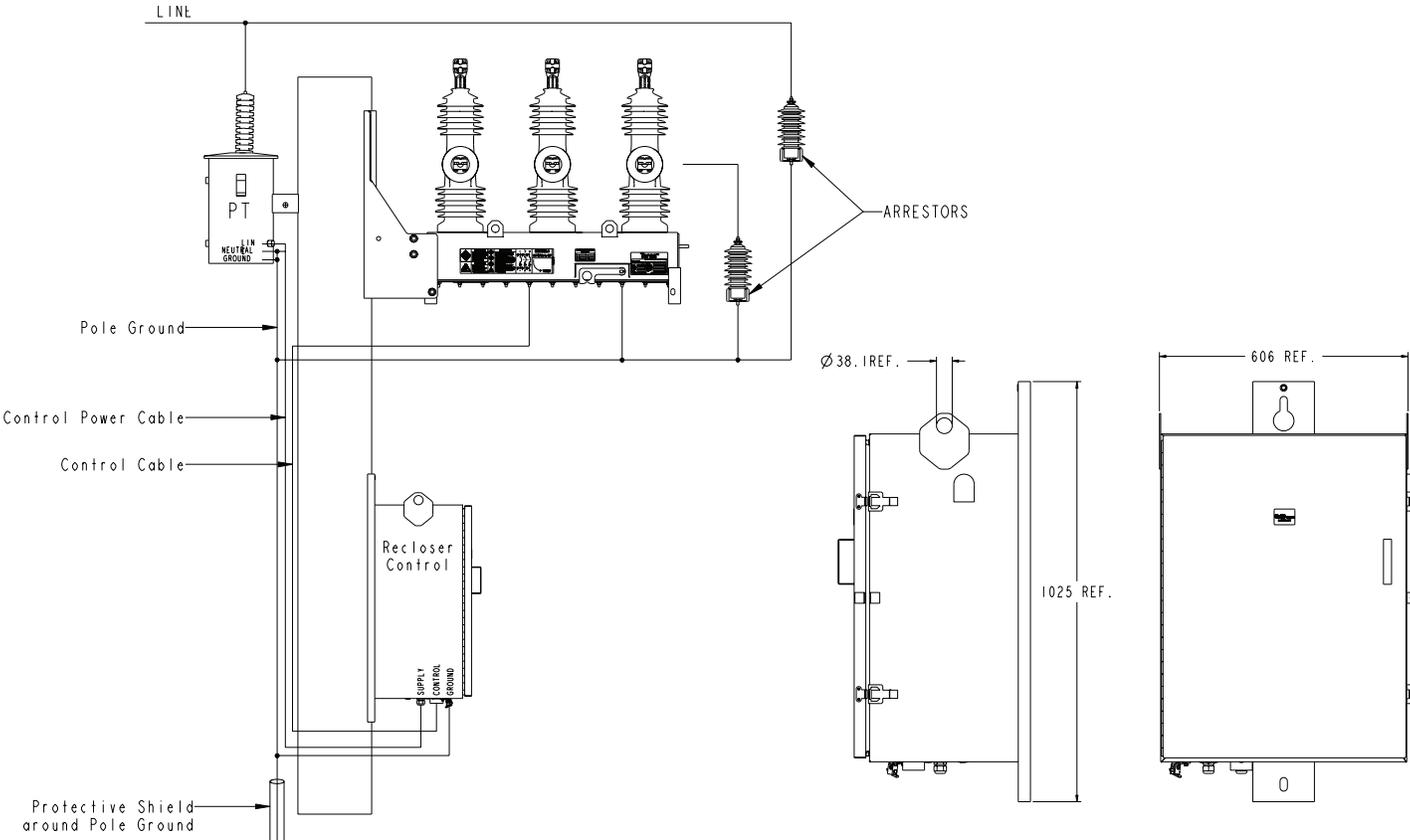
Example: TER376ER-16 for 15kV Class Recloser and TER386ER-16 for 27kV Class Recloser

# CONFIGURATIONS

## Alley-Arm Frame Outline



## Standard Recloser Installation Outline



Contact us today

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**G&W Electric**

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Since 1905, G&W Electric has been a leading provider of innovative power grid solutions, including the latest in load and fault interrupting switches, reclosers, system protection equipment, power grid automation and transmission and distribution cable terminations, joints and other cable accessories. G&W is headquartered in Bolingbrook, Illinois, U.S.A., with manufacturing facilities and sales support in more than 100 countries, including Canada, Italy, China, Mexico, India, UAE, Singapore and Brazil. We help our customers meet their challenges and gain a competitive edge through a suite of advanced products and technical services.

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