

# GEIS



## ALPS US5.0 Clean-Gas Insulated Switchgear

ALPS series US5.0 Clean-Gas insulated switchgear has excellent environmental performance, with high reliability and safety, compact structure, small size, and complete solutions, including circuit breaker, load switch, manometer, voltage transformer, ATS dual power supply, switching station, primary and secondary integration and other design solutions to meet various occasions of application. Each incoming and outgoing unit can share a common gas tank or have an independent gas tank, and all functional units can be flexibly configured.

 GEIS Electric

# US5.0 Clean-Gas Insulated Switchgear

- Fully sealed and insulated design, all high-voltage components are sealed in the gas tank, adapting to various harsh environments and realizing maintenance-free
- Zero Global Warming Potential (GWP)
- Non-toxic and non-hazardous dried air, no maintenance or recycling by the customer required
- 3mm thick stainless steel gas tank, laser welding process, protection level IP67
- Integrated with the distribution terminal DTU to monitor, analyze and judge the key data of the switchgear online, with various features such as intelligent protection, self-management, and visualization

## Overall Parameters

Specifications:		Unit	
Rated voltage		kV	17.5
Rated frequency		Hz	50 or 60
Rated power frequency withstand voltage(1min)	Phase to phase, phase to earth	kV	38
	Across isolating distance		45
Rated Lightning impulse withstand voltage (peak)	Phase to phase, phase to earth		95
	Across isolating distance		110
Rated current		A	630
Rated short time withstand current		kA	21
Rated duration of short circuit		s	3
Rated peak current		kA	54.6
IP degree	Tank with HV parts		IP67
	Indoor		IP41
	Outdoor		IP54
Annual leakage rate		% / year	≤0.01