

# GEIS



## ALPS US3.0-40.5 Gas Insulated Switchgear

ALPS series US3.0-40.5 gas insulated switchgear is suitable for distribution system from 36~40.5kV, with flexible and versatile function combinations. And the switchgear is insulated with SF<sub>6</sub> gas, all high-voltage live parts sealed in SF<sub>6</sub> gas tank, not affected by the environment, maintenance-free, high safety.

# US3.0 SF6 Gas Insulated Switchgear

- 40.5kV, 1250A, 25kA ratings
- Modular cubicles adapted to future extensions, small dimensions and reduced weights facilitate easy installation
- Maintenance-free operation reduces lifecycle costs and downtime
- 3mm thick stainless steel gas tank, laser welding process, protection level IP67
- Up to 10,000 operating cycles
- Easy integration with SCADA networks

## Overall Parameters

Specifications:		Unit				
Rated voltage		kV	12	17.5	24	40.5
Rated frequency		Hz	50 or 60			
Rated power frequency withstand voltage(1min)	Phase to phase, phase to earth	kV	28	38	50	95
	Across isolating distance		32	45	60	110
Rated Lightning impulse withstand voltage (peak)	Phase to phase, phase to earth		75	95	125	185
	Across isolating distance		85	110	145	215
Rated current		A	630 or 1250			
Rated short time withstand current		kA	21 or 25			
Rated duration of short circuit		s	3 or 1			
Rated peak current		kA	54.6 or 65			
IP degree	Tank with HV parts		IP67			
	Indoor		IP41			
	Outdoor		IP54			
Annual leakage rate		% / year	≤0.01			

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