

GOODWE

STS Series

Static Transfer Switch | GW125K-STG-G10

The GoodWe Static Transfer Switch (STS) module is a high-performance transfer switch designed for seamless grid and off-grid operation in large commercial and industrial energy storage systems. Paired with the GoodWe ET 80/99.99/100kW hybrid inverter, it delivers UPS-level switching performance with fast, reliable protection for critical loads.



Ultra-fast 4 ms switching for UPS-level continuity



Seamless grid-off-grid transition with ET 80/99.99/100kW hybrid inverter



Wall-mounted design for easy and flexible installation



Supports large-load connection for C&I applications



Diesel generator control for enhanced system flexibility

Technical Data		GW125K-STS-G10
Grid Side		
Nominal Voltage (V)	127 / 220, 220 / 380, 230 / 400, 240 / 415, 3L / N / PE	
Voltage Range (V)	114 ~ 280 (according to local standard)	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Current (A)	210	
Rated Power (kW)	125.0 (75 @ 220V)	
Max. Apparent Power (kVA)	137.5 (75 @ 220V)	
Back-up Side		
Nominal Voltage (V)	127 / 220, 220 / 380, 230 / 400, 240 / 415, 3L / N / PE	
Voltage Range (V)	114 ~ 280 (according to local standard)	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Current (A)	210	
Rated Power (kW)	125.0 (75 @ 220V)	
Max. Apparent Power (kVA)	137.5 (75 @ 220V)	
Smart Port Side		
Nominal Voltage (V)	127 / 220, 220 / 380, 230 / 400, 240 / 415, 3L / N / PE	
Voltage Range (V)	114 ~ 280 (according to local standard)	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	45~55 / 55~65	
Max. Current (A)	210	
Rated Power (kW)	125.0 (75 @ 220V)	
Max. Apparent Power (kVA)	137.5 (75 @ 220V)	
Inverter Side		
Nominal Voltage (V)	127 / 220, 220 / 380, 230 / 400, 240 / 415, 3L / N / PE	
Voltage Range (V)	114 ~ 280 (according to local standard)	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	
Max. Current (A)	210	
Rated Power (kW)	125.0 (75 @ 220V)	
Max. Apparent Power (kVA)	137.5 (75 @ 220V)	
General Data		
On / Off Grid Transfer Time (ms)	<4	
Operating Temperature Range (°C)	-35 ~ +60	
Installation Type	Indoor / Outdoor	
Relative Humidity	0 ~ 100%	
Type of Electrical Supply System	TN-S, TN-C, TN-C-S, TT	
Stationary or Movable	Stationary	
Type Of Short-circuit Protective Device	Icc	
Max. Operating Altitude (m)	4000	
Cooling Method	Intelligent air cooling	
Communication	RS485	
Weight (kg)	21	
Dimension (W × H × D mm)	680 × 620 × 165	
Mounting Method	Wall Mounted	
Noise Emission (dB)	45	
Ingress Protection Rating	IP54	

*: Please visit GoodWe website for the latest certificates.