

STS Series

Static Transfer Switch I GW125K-STS-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
- Wall-mounted design for easy and flexible installation
- Diesel generator control for enhanced system flexibility
- Seamless grid–off-grid transition with ET 80/99.99/100kW hybrid inverter
- Supports large-load connection for C&I applications

STS Series

GOODWE

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.

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