

Technical Data		GW500K-ST5-PCS-G10
Grid Side		
Nominal AC Voltage (V)	220 / 380, 230 / 400Vac., 3L / N / PE	
Voltage Range (V)	340 ~ 440	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	47.5 ~ 52.5 / 57.5 ~ 62.5	
Max. Current (A)	909.4 @ 400Vac 957.2 @ 380Vac	
Rated Power (kW)	500	
Max. Apparent Power (kVA)	630	
Rated Conditional Short-circuit Current (kA)	20	
Back-up Side		
Nominal AC Voltage (V)	220 / 380, 230 / 400Vac., 3L / N / PE	
Voltage Range (V)	340 ~ 440	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	47.5 ~ 52.5 / 57.5 ~ 62.5	
Max. Current (A)	791.1 @ 400Vac 835.6 @ 380Vac	
Rated Power (kW)	500	
Max. Apparent Power (kVA)	550	
Rated Conditional Short-circuit Current (kA)	20	
ESS Side		
Nominal Voltage (V)	220 / 380, 230 / 400Vac., 3L / N / PE	
Voltage Range (V)	340 ~ 440	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	47.5 ~ 52.5 / 57.5 ~ 62.5	
Max. Current (A)	793.8 @ 400Vac 835.6 @ 380Vac	
Rated Power (kW)	500	
Max. Apparent Power (kVA)	550	
Rated Conditional Short-circuit Current (kA)	20	
Smart Port Side		
Nominal Voltage (V)	220 / 380, 230 / 400Vac., 3L / N / PE	
Voltage Range (V)	340 ~ 440	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	47.5 ~ 52.5 / 57.5 ~ 62.5	
Max. Current (A)	791.1 @ 400Vac 835.6 @ 380Vac	
Rated Power (kW)	500	
Max. Apparent Power (kVA)	550	
Rated Conditional Short-circuit Current (kA)	20	
Inverter Side		
Nominal Voltage (V)	220 / 380, 230 / 400Vac., 3L / N / PE	
Voltage Range (V)	340 ~ 440	
Nominal Frequency (Hz)	50 / 60	
Frequency Range (Hz)	47.5 ~ 52.5 / 57.5 ~ 62.5	
Max. Current (A)	1443.4 @ 400Vac 1519.4 @ 380Vac	
Rated Power (kW)	1000 (Centralized Access 500 + Independent Access 500)	
Max. Apparent Power (kVA)	1000 (Centralized Access 500 + Independent Access 500)	
Rated Conditional Short-circuit Current (kA)	20	
General Data		
On / Off Grid Transfer Time (ms)	<20	
Storage Temperature (°C)	-40 ~ +70	
Operating Temperature Range (°C)	-25 ~ +55	
Relative Humidity	0 ~ 100%	
Pollution Degree	III	
Type of Electrical Supply System	TN-S, TN-C, TN-C-S, TT, IT	
Installation Type	Outdoor	
Stationary or Movable	Stationary	
Type Of Short-circuit Protective Device	Icc	
Max. Operating Altitude (m)	4000 (Follow The Inverter To Derate)	
Cooling Method	Smart Fan Cooling	
Communication	LAN, CAN	
Weight (kg)	750	
Dimension (W × H × D mm)	1100 ×2010 ×1000	
Mounting Method	Grounded	
Noise Emission (dB)	<60	
Ingress Protection Rating	IP54	

*: Please visit GoodWe website for the latest certificates.

*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.