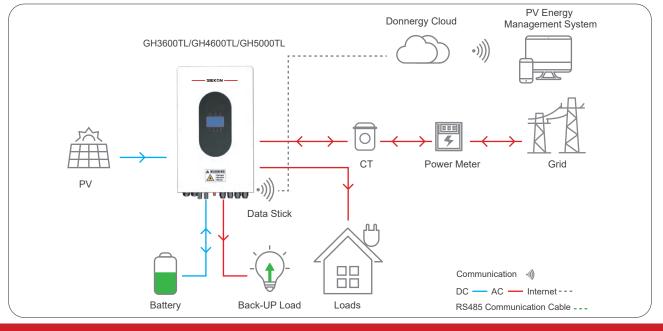
SIEKON

GH3600TL/GH4600TL/GH5000TL On-grid/Off-grid Hybrid Energy Storage PV Inverter



This On-grid/Off-grid Hybrid PV Inverter has both Grid-tied/Off-grid and Energy Storage Function:

- Power generated by the PV array or from the Utility Grid can be stored in a battery or to be used to power your loads.
- Power generated by the PV array or stored inside the battery can be sold to the Utility Grid or to be used to power your loads.
- Featured with UPS function, ensure that the load is not powered off.
- Cloud energy management App for data collection and remote control.



GH3600TL/GH4600TL/GH5000TL

Model	GH3600TL	GH4600TL	GH5000TL	
Battery Data				
Battery Type	Lithium / Lead-Acid	Lithium / Lead-Acid	Li-lon / Lead-Acio	
Nominal Battery Voltage (V)	51.2	51.2	51.2	
Battery Voltage Range (V)	41.6 ~ 58.5	41.6 ~ 58.5	41.6 ~ 58.5	
Max. Continuous Charging Current (A)	80	95	95	
Max. Continuous Discharging Current (A)	85	100	100	
Max. Charge Power (W)	3600	4600	5000	
Max. Discharge Power (W)	3600	4600	5000	
PV String Input Data				
Max. Input Power (W)	5200	6600	7000	
Max. Input Voltage (V)	500	500	500	
MPPT Operating Voltage Range (V)	120 - 430	120 - 430	120 - 430	
Start-up Voltage (V)	150	150	150	
Nominal Input Voltage (V)	360	360	360	
Max. Input Current per MPPT (A)	15	15	15	
Max. Short Circuit Current per MPPT (A)	18.9	18.9	18.9	
Number of MPP Trackers	2	2	2	
Number of Strings per MPPT	1	1	1	
AC Output Data (On-grid)				
Rated Power Output to Utility Grid (W)	3600	4600	5000	
Max. Apparent Power Output to Utility Grid (VA)	3960	4600	5500	
Max. Apparent Power from Utility Grid (VA)	3960	4600	5500	
Nominal Output Voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	
	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	
Nominal AC Grid Frequency (Hz)	17.2	20.0	23.9	
Max. AC Current Output to Utility Grid (A)	17.2	20.0	23.9	
Max. AC Current From Utility Grid (A)				
Max. Total Harmonic Distortion	<3%	<3%	<3%	
Power Factor (cos Φ)		m 0.8 leading to 0.8 la		
Switch Time	<10 ms	<10 ms	<10 ms	
AC Output Data (Back-up)	7/00	4500	4500	
Back-up Rated Power (W)	3600	4500	4500	
Max. Output Apparent Power (VA)	3600	4500	4500	
Max. Output Current (A)	15.6	20	20	
Nominal Output Voltage (V)	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	
Nominal Output Freqency (Hz)	50 / 60	50 / 60	50 / 60	
Output THDv (@Linear Load)	<3%	<3%	<3%	
Conversion Efficiency				
Max. Efficiency	97.8%	97.8%	97.8%	
EU Efficiency	97%	97%	97%	
Max. Battery to AC Efficiency	95%	95%	95%	
MPPT Efficiency	99.9%	99.9%	99.9%	
Protection				
Residual Current Monitoring	Integrated	Integrated	Integrated	
Anti-islanding Protection	Integrated	Integrated	Integrated	
Remote Shutdown	Integrated	Integrated	Integrated	
ProtectionLevel	IP65	IP65	IP65	
Environmental / Ambient Conditions				
	-25 ~ +60	-25 ~ +60	-25 ~ +60	
Operating Temperature Range (°C)			-25 ~ +60	
Relative Humidity		0 to 95 %, non-condensing		
Installation Altitude above Sea Level	up to 2000 m above sea level			
Cooling Method	Natural Cooling	Natural Cooling	Natural Cooling	
Monitoring Settings	Integrated data logge	er		
Other Data				
Dimensions (W \times H \times D mm)	350 x 580 x 230	350 x 580 x 230	350 x 580 x 230	
Weight (kg)	25±0.5	25±0.5	25±0.5	
	Wall Installation with Wall Bracket			
Installation Type	Wall installation with			
Installation Type Communication	CAN/RS485/WiFi	CAN/RS485/WiFi	CAN/RS485/WiFi	