



- ☉ Multiple operating modes,on-grid,off-grid and UPS,MPPT charger built in.
- 🔌 Controlled by built-in DSP and adopt advanced SPWM technology.
- 📱 Integrated smart APP,can remotely diagnose and update.
- 📊 Droop control,Max 6pcs in parallel.
- 🔋 Suitable for customizing various PV Energy Storage System.
- 48V Compatible with almost all 48V LiFePO4 battery pack.

Technical Parameters / Model		GH3600TL	GH4600TL	GH5000TL	
DC Input (PV)					
Maximum PV Input Power	5200W		6500W	7000W	
Maximum DC Voltage			500V		
Starting Voltage			150V		
Rated Voltage			360V		
MPPT Operating Voltage Range			120V~430V		
Number Of MPPTs			2		
Number Of MPPT Strings Per Circuit			1		
Maximum Input Current Per MPPT			15A		
Maximum Short-Circuit Current Per MPPT			18.9A		
AC Output (Grid-Connected)					
Rating	3600W		4600W	5000W	
Maximum Apparent Power	3960VA		4600VA	5500VA	
Rated Voltage (Range)			230V		
Rated Frequency (Range)			50Hz/60Hz		
Maximum Output Current	17.2A		22A	23.9A	
Power Factor			0.8 Ahead~0.8 Behind		
THDi			<3%		
Type Of Grid Connection			L+N+PE		
Battery Input					
Battery Type	Lithium-Ion/Lead-Acid Batteries				
Operating Voltage Range			41.6V~58.5V		
Maximum Charge/Discharge Current	80A/85A		95A/100A		
AC Output (Power Backup)					
Maximum Output Power	3600W		4500W		
Maximum Apparent Power	3600VA		4500VA		
Maximum Output Current	19.6A		23.9A		
Rated Voltage			230V		
Rated Frequency			50Hz/60Hz		
THDv			<3%		
Switching Time			<20ms (Capacitive Load);<10ms (Resistive Load)		
Efficiency					
Maximum Efficiency			97.8%		
European Efficiency			97%		
MPPT Efficiency			99.99%		
Protection Facilities					
DC Switch			Supported		
AC Lightning Protection			Supported		
AC Short Circuit Protection			Supported		
Ground Fault Monitoring			Supported		
Grid Monitoring			Supported		
Antislanding Protection			Supported		
Leakage Current Monitoring			Supported		
Insulation Impedance Monitoring			Supported		
General Data					
Dimensions (W*H*T mm)			350*580*230 mm		
Weights			25kg		
Operating Temperature Range			-25℃~60℃		
Self-Consumption At Night			<10W		
Topological Structure			Transformerless Design		
Cooling Method			Natural Cooling		
Protection Class			IP65		
Relative Humidity			0~95% No Condensation		
Altitude			2000m		
DC Connection Type			MC4		
Type Of AC Connection			Connectors		
Display Mode			LCD		
Communication Interface:RS485/CAN/USB			Supported/Supported/Supported		
Monitoring Interface:WIFI			Supported		
Warranty:5 Years/10 Years			Available/Optional		

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EN IEC 61000-6-1:2019 / EN IEC 61000-6-3:2019 / EN 61009-1:2010 / EN 62109-2:2011 / EN 50549-1:2019(1)
IEC 62321-3-1:2013 / IEC 62321-4-2013+A1:2017 / IEC 62321-5:2013 / IEC 62321-7-1:2015 / IEC 62321-7-2:2017 / IEC 62321-6:2015 / IEC 62321-8:2017 / IEC 62116
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RD 647 / 2010 / RD 413 / 2014 / RD 1699 / 2011 / UTE C15-712-1 (JUILLET 2013) / DOC-030221-GAP / IEC No.1907 / 2006 / UNE-EN-ISO C 17065
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