

BIẾN TẦN CÔNG NGHỆ G7

G7-UNO Series



TÍNH NĂNG NỔI BẬT

- IP65 Weather Protection
Cấp bảo vệ IP65
- Excellent Low Light Sensitivity
Hiệu suất chuyển đổi tuyệt vời
- Rugged cast Aluminium Chassis
Vỏ nhôm nguyên khối siêu bền
- WiFi module as standard for free
Tích hợp module wifi giám sát
- 5 Year warranty standard
Bảo hành 5 năm
- Zero export limitation
Tích hợp chế độ tải thông minh
- Dynamic MPPT efficiency >99%
Hiệu suất MPPT cao >99.9%

G7-UNO Công nghệ bên trong biến tần

Amorphous Core Components

from leading technology supplier Hitachi ensure this inverter is efficient and stable in operation

High quality electrolytic capacitors from **EPCOS & NCC**

Core components from Fairchild and Infineon, **long lifetime, high efficiency**

Latest DC capacitors, dual dynamic trackers, make your system always max power

Intelligent microchips from **ST Microelectronics** enable the inverter to operate from 75Volts

Relay comes from **Panasonic** and Hongfa

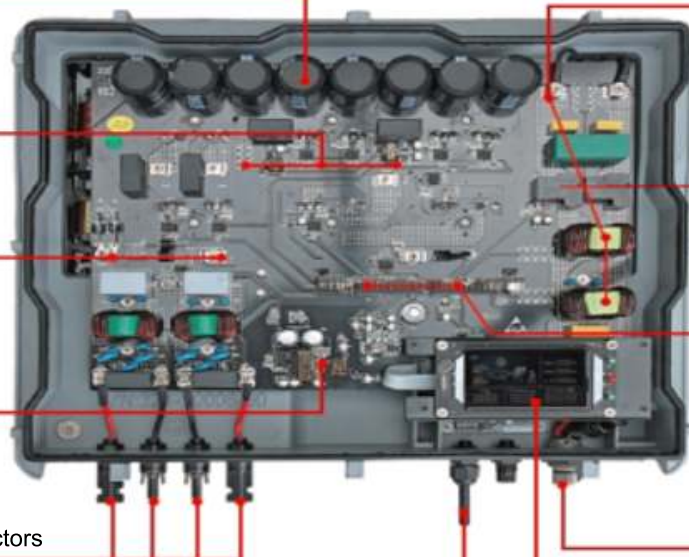
Dual core processor from **Texas Instruments** uses the same technology found on smartphones and tablets

Industry standard MC4 connectors

Weatherproof AC connectors

Smart Wifi system from **MARVELL** allows consumer to monitor their PV system performance in real time

LCD display has a **50,000** hour continuous operation lifespan



G7-UNO Dòng công nghệ G7

Single Phase On grid Series string inverters adopt the best invention patented topology globally, also, customization available, which provides more options for PV power systems.



G7-UNO series has been proven to be outstanding for its features leading edge efficiency, high cost-effective, modern appearance, friendly interface, and ultra-long quality warranty, etc.

TECHNOLOGY PARAMETERS

Model No	T1500TL	T2200TL	T3000TL	S3600TL	S4400TL	S5000TL
DC side/Input parameters						
Max. DC power [W]	1800	2500	3400	3680	4500	5500
Max. DC voltage [Vdc]	450	500	550			
Min. System start/Shut down voltage [Vdc]	75/150		75/100			
MPPT voltage range[Vdc]	100~450	100~500	100~550			
Max. input current [A]	10	13	15	13.5/13.5	13.5/13.5	15/15
Number of MPP trackers	1			2		
Strings per MPP tracker	1					
AC side/output parameters						
Nominal output power [W]	1500	2200	3000	3300	4000	4600
Maximum output power [W]	1650	2420	3300	3680	4400	5000
Nominal output voltage/range [V]	208,220,230,240/180~270					
AC grid frequency/range [Hz]	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz					
Maximum output current [A]	8	12	17	16	21	23
AC connection(with PE)	Single phase					
Current distortion(THDi) [%]	<1.5			<2.5		
Power factor [%]	> 99.9			> 99.95		
Efficiency						
Maximum conversion efficiency[%]	97.3	97.4	97.5	97.8		
European efficiency[%]	97	97.1	97.2	97.3		
MPPT efficiency[%]	99.9					
Safety and protection						
DC reverse-polarity protection	yes					
Anti-islanding / Overvoltage protection	yes					
Short circuit protection	yes					
Leakage current protection	yes					
Grid monitoring / Ground fault monitoring	yes					
DC/AC side varistors(thermally protected)	yes					
General Parameters						
Dimension(L/W/H)[mm]	382*317*151			382*317*166		
Weight (kg)	10			13.5		
Embedded DC Switch	Optional					
Night power consumption[W]	< 0.2					
Isolation type	Transformerless					
Protection degree	IP65 according to IEC60529					
Operation temperature[°C]	-25 ~ 60					
Cooling concept	Natural convection					
Operating Altitude[m]	<2000m without power derating					
Acoustic noise level[dB]	<25					
Display	Graphic LCD					
Communication Interface	Standard WIFI; RS485(optional)					
Certificates and ApprovalsGeneral	CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2					
Warranty	5 years; 10 years for optional					