



**GLOBAL POWER**



With Ingress protection of IP65-GP6K7.5PV-US-GE is fully protected against dust, airborne particles whilst and water jets which makes it suitable for use both in the indoor and harsh outdoor environment. It supports multiple input & output - split phase 208/240vac. GP6K7.5PV-US-GE is also offering a second terminal for the users choice as a generator input or a programmable output.

### Hybrid Inverter

## GP6K7.5PV-US-GE Split-phase

- IP65 waterproof and dustproof design
- Built-in AC coupled function
- Built-in WiFi with APP for mobile monitoring
- Built-in alternative port for generator and emergency load
- Built-in rapid shutdown (RSD)
- Optional external CT sensor to guarantee 100% selfconsumption
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 6 units



learn more about Solar Assistant : <https://solar-assistant.io/>



## Hybrid Inverter

# GP6K7.5PV-US-GE

## Split-phase



### GP6K7.5PV-US-GE Split-phase Hybrid Inverter Specification

MODEL		GP6K7.5PV-US-GE
PHASE	120V/240V Split phase, 120V/208V Split phase	
Maximum PV Input Power	7500W	
Rated Output Power	6000VA/6000W	
Maximum Charging Power	6000W	
GRID-TIE OPERATION		
PV INPUT (DC)		
Maximum DC Voltage	600 VDC	
Start-up Voltage / Initial Feeding Voltage	120 VDC / 160 VDC	
MPP Voltage Range	120 VDC ~ 550 VDC	
Number of MPP Trackers / Maximum Input Current	2 / 15A	
GRID OUTPUT (AC)		
Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)	
Output Voltage Range	105.5 VAC - 132 VAC (per phase)	
Nominal Output Current	25 A per phase	
Power Factor	0.9 lag to 0.9 lead	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	96%	
OFF-GRID, HYBRID OPERATION		
PV INPUT (DC)		
Maximum DC Voltage	600 VDC	
Start-up Voltage / Initial Feeding Voltage	120 VDC / 160 VDC	
MPP Voltage Range	120 VDC ~ 550 VDC	
Number of MPP Trackers / Maximum Input Current	2 / 15A	
GRID OUTPUT (AC)		
Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)	
Output Voltage Range	105.5 VAC - 132 VAC (per phase)	
Nominal Output Current	25A per phase	
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)	
Acceptable Input Voltage Range	85 - 140 VAC (per phase)	
Maximum AC Input Current	40 A per phase	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)	
Efficiency (DC to AC)	91%	
BATTERY & CHARGER		
DC Voltage Range / Nominal Voltage	40-62 VDC / 48 VDC	
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	120A	
Maximum Charging Current	120A	
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	215.5 x 515 x 700	
Net Weight (kgs)	41	
INTERACE		
Parallel Function	Yes, 6 units	
Communication Port	RS232, RS485, WI-FI, USB	
ENVIRONMENT		
Operating Temperature	-25°C to 60°C (>45°C derating)	
STANDARD		
Safety	UL1741SA, UL1741SB, CSA 22.2.107.1, CEC, CRD	
Grid Connection Standard	IEEE1547.1-2020	
EMC	FCC CRF47 PART15 B	
Rapid Shutdown	Yes (Brand: Tigo & AP)	

Product specifications are subject to change without further notice.