

GCI-W-US Single Phase Inverter
6kW-10kW

GCI-6kW-10kW



Leading Features

- ▶ Over 97.8% Max. efficiency
- ▶ 40 point leading three and four MPPT design with precise MPPT algorithm
- ▶ Specific grid-connection controlling algorithm for wind turbine
- ▶ Industry widest input voltage range
- ▶ Industry leading three and four MPPT design with precise MPPT algorithm
- ▶ Integrated AFCI option
- ▶ Compact and light design for one-person easy installation
- ▶ NEMA 4X enclosure with anti-corrosion feature, visually pleasing for indoor and out door installations
- ▶ Rs485 Modbus communications, WiFi/GPRS(optional) interface
- ▶ Web-based data monitoring and 'SolisWeb' APP
- ▶ 10 years standard warranty with optional extensions

Manufacturer: Ginlong (Ningbo) Technologies Co.,Ltd., Ningbo, Zhejiang, P.R.China

US office: 565 Metro Pl. S. Suite 3214, Dublin OH 43017, USA

Toll-free: 866.438.8408 | **Email:** sales@ginlong.com | sales@ginlong-usa.com

Web: www.ginlong.com



GINLONG

Datasheet

Model	GCI-6K-W-US	GCI-10K-W-US	GCI-15K-W-US	GCI-6K-W-LV-US	GCI-10K-W-LV-US
Energy source	WIND				
DC Values					
Max.DC input power	6.9kW	11.5kW	16.5kW	6.9kW	11kW
Max.DC input voltage	1000V			600V	
Start-up DC voltage	50V				
MPPT voltage range	30-810V			30-530V	
Rated DC voltage	600V			300V	
Max.input current	30A	36A		30A	36A
MPPT number/Max input strings number	1/1				
AC Values					
Nominal output power (Watt)	6000	10000	15000	6000	10000
Max. continuous output power (Watt)	6600	11000	16500	6600	10000
Nominal grid voltage (Volts)	480			208/220/240	
Operating voltage range (Volts)	427-523			180-270	
Operating phase	Three				
Max continuous output current (Amps)	9.6	15.8	23.9		
Max overcurrent protection device (Amps)	20		30	20	30
Rating grid output current (Amps)	8.7	14.4	21.7	15.7	25
Output power factor	>0.99				
Grid current THD	<3%				
DC injection current (mAmps)	<20		<50	<20	
Nominal grid frequency (Hertz)	60			50/60	
Operating frequency range (Hertz)	59.3-60.5				
Efficiency					
Peak efficiency	98.3%			97.2%	
CEC weighted efficiency	97.5%			96.5%	
MPPT efficiency	99.9%				
Protection					
Temperature protection	Yes				
DC reverse-polarity protection	Yes				
AC short circuit protection	Yes				
AC output overcurrent protection	Yes				
Output overvoltage protection-Varistor	Yes				
Ground fault monitoring	Yes				
Grid monitoring	Yes				
Islanding protection	Yes				
Integrated DC switch	Yes				
Integrated AFCI(DC arc-fault circuit protection)	Yes				
Rapid shutdown	Optional				
General data					
Dimensions(W*H*D)	16.9*26.1*9.3in				
Weight	63. 9lb		70. 5lb	63. 9lb	70. 5lb
Topology	Transformerless				
Internal consumption	<1W (Night)				
Ambient operating temperature range	-25°C~-60°C/-13°F~140°F				
Enclosure type	NEMA 4X				
Noise emission(typical)	<30 dBA				
Cooling type	Natural convection				
Max.operating altitude without derating	13120ft				
Designed lifetime	>20 years				
Compliance	CAN/CSAC22.2 N107.1, UL1741, IEEE1547, UL1998, UL1699B, FCC part15,Class B				
Operating surroundings humidity	0~100%				
Features					
Conduit connention	Plugged 3/4" openings for bottom and side				
Display	LCD, 2 x 20 Z.				
Interface	RS 485, WiFi/GPRS (optional)				
Warranty Terms	10 years				