


VERIFICATION OF COMPLIANCE

No.:	GZES2407014755PV
Applicant:	Shenzhen GivEnergy Co., Ltd 6#-1001, 1002, 1003, 1004, Building 6, Chuangwei Innovation Valley, No. 8 Tangtou 1st Road, Tangtou Community, Shiyan Sub-district, Bao'an District, Shenzhen, China.
Manufacturer:	Shenzhen GivEnergy Co., Ltd 6#-1001, 1002, 1003, 1004, Building 6, Chuangwei Innovation Valley, No. 8 Tangtou 1st Road, Tangtou Community, Shiyan Sub-district, Bao'an District, Shenzhen, China.
Product Name:	PV Hybrid Inverter
Product Description:	Inverter used in PV system
Model No.:	GIV-HY-10.0-G3-HV, GIV-HY-8.0-G3-HV, GIV-HY-6.0-G3-HV
Trade Mark:	
Rating:	Refer to page 2
Protection against Electric Shock:	Class I
Degree of Protection:	IP65
Additional Information:	Software version: SG1.0 Hardware version: V1.0
Sufficient samples of the product have been tested and found to be in conformity with Test Standard:	EN50621-1:2015 EN50621-2:2015 EN50621-3:2015 EN50621-4:2015 EN50621-5:2015 EN50621-6:2015 EN50621-7:2015 EN50621-8:2015 EN50621-9:2015 EN50621-10:2015 EN50621-11:2015 EN50621-12:2015 EN50621-13:2015 EN50621-14:2015 EN50621-15:2015 EN50621-16:2015 EN50621-17:2015 EN50621-18:2015 EN50621-19:2015 EN50621-20:2015 EN50621-21:2015 EN50621-22:2015 EN50621-23:2015 EN50621-24:2015 EN50621-25:2015 EN50621-26:2015 EN50621-27:2015 EN50621-28:2015 EN50621-29:2015 EN50621-30:2015 EN50621-31:2015 EN50621-32:2015 EN50621-33:2015 EN50621-34:2015 EN50621-35:2015 EN50621-36:2015 EN50621-37:2015 EN50621-38:2015 EN50621-39:2015 EN50621-40:2015 EN50621-41:2015 EN50621-42:2015 EN50621-43:2015 EN50621-44:2015 EN50621-45:2015 EN50621-46:2015 EN50621-47:2015 EN50621-48:2015 EN50621-49:2015 EN50621-50:2015 EN50621-51:2015 EN50621-52:2015 EN50621-53:2015 EN50621-54:2015 EN50621-55:2015 EN50621-56:2015 EN50621-57:2015 EN50621-58:2015 EN50621-59:2015 EN50621-60:2015 EN50621-61:2015 EN50621-62:2015 EN50621-63:2015 EN50621-64:2015 EN50621-65:2015 EN50621-66:2015 EN50621-67:2015 EN50621-68:2015 EN50621-69:2015 EN50621-70:2015 EN50621-71:2015 EN50621-72:2015 EN50621-73:2015 EN50621-74:2015 EN50621-75:2015 EN50621-76:2015 EN50621-77:2015 EN50621-78:2015 EN50621-79:2015 EN50621-80:2015 EN50621-81:2015 EN50621-82:2015 EN50621-83:2015 EN50621-84:2015 EN50621-85:2015 EN50621-86:2015 EN50621-87:2015 EN50621-88:2015 EN50621-89:2015 EN50621-90:2015 EN50621-91:2015 EN50621-92:2015 EN50621-93:2015 EN50621-94:2015 EN50621-95:2015 EN50621-96:2015 EN50621-97:2015 EN50621-98:2015 EN50621-99:2015 EN50621-100:2015
as shown in the Test Report Number(s):	GZES240701475501

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.


David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.



2024-09-11

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Member of the SGS Group (SGS SA)

No.:

GZES2407014755PV

Other information added:

Rating:

Model	GIV-HY-6.0-G3-HV	GIV-HY-8.0-G3-HV	GIV-HY-10.0-G3-HV
Input Data (PV)			
Max. DC Input Power	9000 W	12000 W	15000 W
Max. DC input power of single MPP tracker	4500 W	6000 W	7500 W
Start-up Voltage	80 V d.c.		
Max. PV Voltage	600 V d.c.		
PV Input Voltage range	80V – 600 V d.c.		
MPPT Voltage range	90V – 550 V d.c.		
Rated MPPT Voltage	360 V d.c.		
Max. PV short-circuit Current	23 A/23 A	30 A/30 A	38 A/38 A
Max. input Current	17 A/17 A	25 A/25 A	30 A/30 A
MPP tracker/No. of strings per MPP tracker	2/2		
Battery Input			
Battery Type	Li-ion		
Nominal voltage	360 V d.c.		
Operating Voltage Range	120~510 V d.c.		
Max. charging/discharging current	25 A/25 A	25 A/25 A	30 A/30 A
Max. Battery charging/discharging power	6000 W/6500 W	8000 W/8500 W	10000 W/10500 W
AC Output (Grid)			
Nominal grid voltage	L/N/PE, 230 V a.c.		
Nominal grid frequency	50 Hz		
AC rated output power	6000 W	8000 W	10000 W
Max. apparent power	6000 VA	8000 VA	10000 VA
Max. output current	27 A	37 A	46 A
Power factor range	0.8lagging-0.8leading		
Backup (AC)			
AC rated output power	6000 W	8000 W	10000 W
Nominal AC Voltage	230 V a.c.		
Nominal AC Frequency	50 Hz		
Max. output current	27 A	37 A	46 A
General Data			
Operating temperature range	-25 °C ~ +60 °C		
Protection degree	IP65		
Protective class	Class I		
Cooling method	FAN Cooling		
Inverter Topology	Transformerless		
Dimensions (WxHxD)	480 mm*583 mm*205 mm		

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