SGS COLOMBIA S.A.S. CRS-F490101 Número de Orden: 4200 29588 Certificado Nº: CRS12988 CERTIFICADO DE CONFORMIDAD DE PRODUCTO HANWHA Q CELLS (QIDONG) CO., LTD. NO.888 LINYANG ROAD, 226200 QIDONG CITY JIANGSU PROVINCE, P.R.CHINA

Certifica que los productos identificados como PANELES SOLARES FOTOVOLTAICOS fabricados por Hanwha Q CELLS (Qidong) Co., Ltd., con referencias relacionadas en las páginas 2 y 3 del presente documento, han sido evaluados de conformidad con:

Resolución 90708 del 30 de Agosto de 2013 "RETIE" y Modificaciones emitidas por el Ministerio de Minas y Energía.

Articulo 20.22 - Paneles solares fotovoltaicos.

Estos productos han sido sometidos a toma de muestras, inspección, ejecución de pruebas de laboratorio y evaluación del Sistema de Gestión de Calidad del fabricante de acuerdo con el sistema 5 de la Norma ISO/IEC 17067:2013.

Resultados Obtenidos: CONFORME

Autorizado por:

Camilo E. Ramírez R. SGS Colombia S.A.S. Carrera 100 N° 25C-11 Bodega 3 Bogota, Colombia



Fecha de Emisión: 12 de Diciembre de 2018 Válido Hasta: 11 de Diciembre de 2021 Versión 1.

Página 1 de 3

Any complaint, appeal or enquiry about the validity of this certificate/report may be sent to co.servicioalcliente@sgs.com or via phone No. 7422274 ext. 2557

CRS-C-06-05 V.2 Marzo 2016

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REFERENCIAS

PANELES SOLARES FOTOVOLTAICOS / CELDAS MONOCRISTALINAS Y POLICRISTALINAS - MARCA HANWHA Q CELLS FABRICADAS POR HANWHA Q CELLS (QIDONG) CO., LTD

	DONG CITY HANG	

REFERENCIA	TENSIÓN MÁXIMA (V)	TENSIÓN EN CIRCUITO ABIERTO (V)	CORRIENTE MÁXIMA (A)	CORRIENTE DE CORTOCIRCUITO (A)	POTENCIA MÁXIMA DEL MODULO (W)	CLASE DE APLICACIÓN
Q.POWER L-G5 335	1000	46,3	20A	9,40	335	Class A
Q.POWER L-G5 330	1000	S65656 46,1	20A	9,30	330	Class A
Q.POWER L-G5 325	1000	46,0	20A	9,20	325	Class A
Q.POWER L-G5 320	1000	45,8	20A	9,15	320	Class A
Q.POWER L-G5 315	1000	45,7	20A	9,11	315	Class A
Q.POWER L-G5.0.G 335	1500	46,3	4505 20A	9,40	335	Class A
Q.POWER L-G5.0.G 330	1500	46,1	20A	9,30	330	Class A
Q.POWER L-G5.0.G 325	1500	46,0	20A	9,20	325	Class A
Q.POWER L-G5.0.G 320	1500	45,8	20A	9,15	320	Class A
Q.POWER L-G5.0.G 315	1500	45,7	20A	9,11	315	Class A
Q.POWER-G5 280	1000	38,5	20A	9,29	280	Class A
Q.POWER-G5 275	1000	38,3	120A	9,27	275	Class A
Q.POWER-G5 270	1000	38,1	20A	9,23	270	Class A
Q.POWER-G5 265	1000	38,0	20A	9,20	265	Class A
Q.POWER-G5 260	1000	37,7	20A	9,05	260	Class A
Q.POWER-G5.0.G 280	1500	38,5	20A	9,29	280	· Class A
Q.POWER-G5.0.G 275	1500	38,3	20A	9,27	275	Class A
Q.POWER-G5.0.G 270	1500	38,1	20A	9,23	270	Class A
Q.POWER-G5.0.G 265	1500	38,0	20A	9,20	265	Class A
Q.POWER-G5.0.G 260	1500	37,7	20A	9,05	260	Class A
Q.PEAK L-G5 375	1000	48,74	20A	9,87	375	Class A
Q.PEAK L-G5 370	1000	48,45	20A 20A	9,81	370	Class A
Q.PEAK L-G5 365	1000	48,16	20A	9,75	365	Class A
Q.PEAK L-G5 360	1000	47,87	20A	9,69	360	Class A
Q.PEAK L-G5 355	1000	47,58	20A	9,63	355	Class A
Q.PEAK L-G5.0.G 375	1500	48,74	20A	9,87	375	Class A

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Página 2 de 3

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REFERENCIA	TENSIÓN MÁXIMA (V)	TENSIÓN EN CIRCUITO ABIERTO (V)	CORRIENTE MÁXIMA (A)	CORRIENTE DE CORTOCIRCUITO (A)	POTENCIA MÁXIMA DEL MODULO (W)	CLASE DE APLICACIÓN	
Q.PEAK L-G5.0.G 370	1500	48,45	20A	9,81	370	Class A	
Q.PEAK L-G5.0.G 365	1500	48,16	851 5 20Å	9,75	365	Class A	
Q.PEAK L-G5.0.G 360	1500	47,87	50 20A	9,69	360	Class A	
Q.PEAK L-G5.0.G 355	1500	47,58	20A	9,63	355 355 355	Class A	
Q.PEAK-G5 310	1000	asasa 40,44	20A	9,85	310	Class A	
Q.PEAK-G5 305	1000	65656 40,15	20A	9,78	305	Class A	
Q.PEAK-G5 300	1000	39,87	20A	9,71	300	Class A	
Q.PEAK-G5 295	1000	39,58	20A	9,64	295	Class A	
Q.PEAK-G5.0.G 310	1500	40,44	20A	9,85	310	Class A	
Q.PEAK-G5.0.G 305	1500	40,15	20A	9,78	305	Class A	
Q.PEAK-G5.0.G 300	1500	39,87	20A	9,71	300	Class A	
Q.PEAK-G5.0.G 295	1500	39,58	20A	9,64	295	Class A	

*FIN DEL DOCUMENTO***



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Página 3 de 3

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Certificate of Conformity

Certificate Number: CN-PV-200026

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacture(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	SHENZHEN MUST ENERGY TECHNOLOGY CO., LTD A801-803 Common Building, Sogood Science Park, Sanwei Community Hangcheng Road, Xixiang Bao'an District, Shenzhen, Guangdong, China
Product:	PV GRID INVERTER
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	PH50-2500, PH50-3000, PH50-3600M, PH50-4200M, PH50-4600M, PH50- 5000M, PH50-6000M
Brand Name <s>:</s>	MUST
Tested according to:	EN 50549 - UL 1741 1:2019 Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
Test Report No.:	191012120GZU-001

Additional information in Appendix.

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Signature

Certification Manager: Grady Ye Date: 9 April 2020

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.



APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-200026.

Ratings & Principle Characteristics:

Model	PH50- 2500	PH50- 3000	PH50- 3600M	PH50- 4200M	PH50- 4600M	PH50- 5000M	PH50- 6000M	
DC MAX Voltage (V)	550							
MPPT voltage range (V)		80-550						
DC MAX Current (A)	1	1	11/11					
AC nominal voltage (V)	230							
Grid frequency (Hz)	50/60							
Rated AC Power (W)	2500	3000	3600	4200	4600	5000	6000	
MAX AC out apparent power (VA)	2500	3000	3600	4200	4600	5000	6000	
MAX AC Current (A)	11.4	13.7	16.4	19.1	21	22.8	27.3	
Power factor range	0.95c – 0.95i							
Protection degree	IP65							
Protective class	Class I							
Operation ambient temperature (°C)	-25 ~ +60							

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