


Certificate of Conformity

Certificate Number: CN-PV-230561

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 manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Elmark Industries SC 2 Dobrudzha blvd. , 9300, Dobrich, Bulgaria
Product:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	ELM1PON3000, ELM1PON3600-1, ELM1PON3600, ELM1PON4000, ELM1PON5000, ELM1PON6000, ELM1PON7000, ELM1PON8000
Brand Name<s>:	
Product Complies with:	EN 50549-1:2019 Requirements for the connection of generation equipment in parallel with public distribution networks.
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	2308A0286SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 28 September 2023



PRD N° 306B

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230561

Ratings & Principle Characteristics:

Specifications table				
Model	ELM1PON3000	ELM1PON3600-1	ELM1PON3600	ELM1PON4000
Input:				
Vmax PV (Vdc)	600	600	600	600
Isc PV (absolute Max.) (A)	18*2	18	18*2	18*2
Number MPP trackers	2	1	2	2
Number input strings	1/1	1	1/1	1/1
Max. PV input current(A)	14*2	14	14*2	14*2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	110-550	265-550	130-550	145-550
Output				
Normal Voltage(V)	L/N/PE 220Vac, 230Vac, 240Vac			
Frequency(Hz)	50 Hz/60 Hz			
Current (normal) (A)	13.1	15.7	15.7	17.4
Current (Max. continuous) (A)	15	17.5	17.5	20
Power rating (W)	3000	3600	3600	4000
Power Rating(VA)	3000	3600	3600	4000
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature(°C)	-25°C to +60°C (up 45°C derating)			
Inverter Isolation	Non-isolated			
Software version:	DSP: V06 CPLD: V06 HMI: V06			

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APPENDIX: Certificate of Conformity

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Ratings & Principle Characteristics:

Specifications table				
Model	ELM1PON5000	ELM1PON6000	ELM1PON7000	ELM1PON8000
Input:				
Vmax PV (Vdc)	600	600	600	600
Isc PV (absolute Max.) (A)	18*2	18*2	18+35	18+35
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/2	1/2
Max. PV input current(A)	14*2	14*2	13+26	13+26
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	180-550	220-550	220-550	220-550
Output				
Normal Voltage(V)	L/N/PE 220Vac, 230Vac, 240Vac			
Frequency(Hz)	50 Hz/60 Hz			
Current (normal) (A)	21.8	26.1	30.5	34.8
Current (Max. continuous) (A)	24	28.7	33.6	38.3
Power rating (W)	5000	6000	7000	8000
Power Rating(VA)	5000	6000	7000	8000
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature(°C)	-25°C to +60°C (up 45°C derating)			
Inverter Isolation	Non-isolated			
Software version:	DSP: V06 CPLD: V06 HMI: V06			

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