

Certificate of Conformity

Certificate Number: CN-PVES-240448

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:	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
Product:	Hybrid Inverter & AC Coupled Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	See appendix of Certificate of Conformity
Brand Name<s>:	GROWATT
Product Complies with:	IEC 61727:2004 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
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>:	240621134GZU-001, 18 Sep. 2024 240621134GZU-002, 18 Sep. 2024

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 24 September 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240448

Model				
Hybrid Inverter:				
MOD 3000TL3-HU	MOD 4000TL3-HU	MOD 5000TL3-HU	MOD 6000TL3-HU	MOD 7000TL3-HU
MOD 8000TL3-HU	MOD 9000TL3-HU	MOD 10KTL3-HU	MOD 11KTL3-HU	MOD 12KTL3-HU
MOD 13KTL3-HU	MOD 15KTL3-HU	MOD 6000TL3-HU-L	MOD 8000TL3-HU-L	MOD 10KTL3-HU-L
AC Coupled Inverter				
MOD 3000TL3-AU	MOD 4000TL3-AU	MOD 5000TL3-AU	MOD 6000TL3-AU	MOD 7000TL3-AU
MOD 8000TL3-AU	MOD 9000TL3-AU	MOD 10KTL3-AU	MOD 11KTL3-AU	MOD 12KTL3-AU
MOD 13KTL3-AU	MOD 15KTL3-AU			

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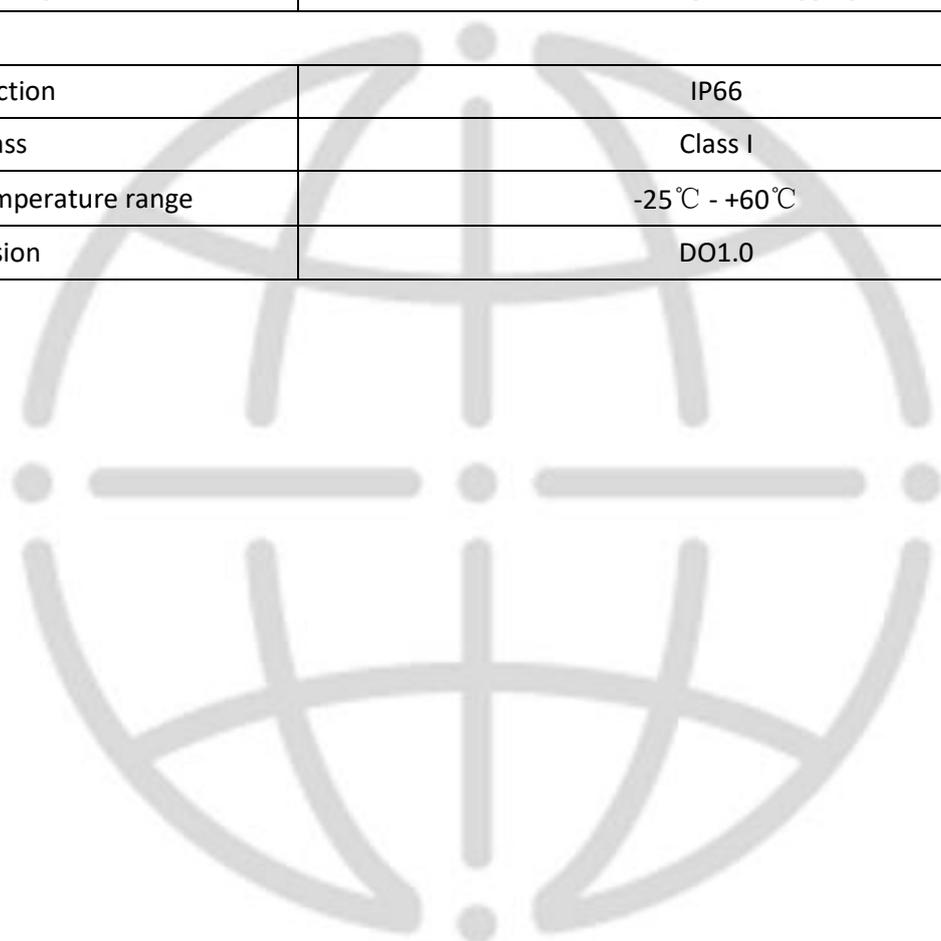
Model	MOD 3000TL3-HU	MOD 4000TL3- HU	MOD 5000TL3-HU	MOD 6000TL3- HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A			
Max. PV Isc	25A/25A			
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A	25A	25A	25A
Max. discharge power	3kW	4kW	5kW	6kW
Max. charge power	9kW	12kW	15kW	15kW
AC parameter				
Rated input/output power	6kW/ 3kW	8kW/ 4kW	10kW/ 5kW	12kW/ 6kW
Max. input/output apparent power	6kVA/ 3.3kVA	8kVA/ 4.4kVA	10kVA/ 5.5kVA	12kVA/ 6.6kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	9.1A/ 5A	12.1A/ 6.7A	15.2A/ 8.3A	18.2A/ 10A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			

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Maximum output current	5.5A	7.3A	9.1A	10.9A
Max. apparent power	3.6kVA	4.8kVA	6kVA	7.2kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DO1.0			



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Model	MOD 7000TL3-HU	MOD 8000TL3-HU	MOD 9000TL3-HU	MOD 10KTL3- HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A			20A/20A/20A
Max. PV Isc	25A/25A			25A/25A/25A
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A			
Max. discharge power	7kW	8kW	9kW	10kW
Max. charge power	15kW	15kW	15kW	15kW
AC parameter				
Rated input/output power	14kW/ 7kW	16kW/ 8kW	18kW/ 9kW	20kW/ 10kW
Max. input/output apparent power	14kVA/ 7.7kVA	16kVA/ 8.8kVA	18kVA/ 9.9kVA	20kVA/ 11kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	21.2A/ 11.7A	24.2A/ 13.3A	27.3A/ 15A	30.3A/ 16.7A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				

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Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	12.7A	14.5A	16.4A	18.2A
Max. apparent power	8.4kVA	9.6kVA	10.8kVA	12kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DO1.0			

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Model	MOD 11KTL3-HU	MOD 12KTL3-HU	MOD 13KTL3- HU	MOD 15KTL3- HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A/20A			
Max. PV Isc	25A/25A/25A			
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A			
Max. discharge power	11kW	12kW	13kW	15kW
Max. charge power	15kW	15kW	15kW	15kW
AC parameter				
Rated input/output power	22kW/ 11kW	24kW/ 12kW	26kW/ 13kW	30kW/ 15kW
Max. input/output apparent power	22kVA/ 12.1kVA	24kVA/ 13.2kVA	26kVA/ 14.3kVA	30kVA/ 16.5kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	33.3A/ 18.3A	36.4A/ 20A	39.4A/ 21.7A	45.5A/ 25A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			

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AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	20A	21.8A	23.6A	27.3A
Max. apparent power	13.2kVA	14.4kVA	15.6kVA	18kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	D01.0			

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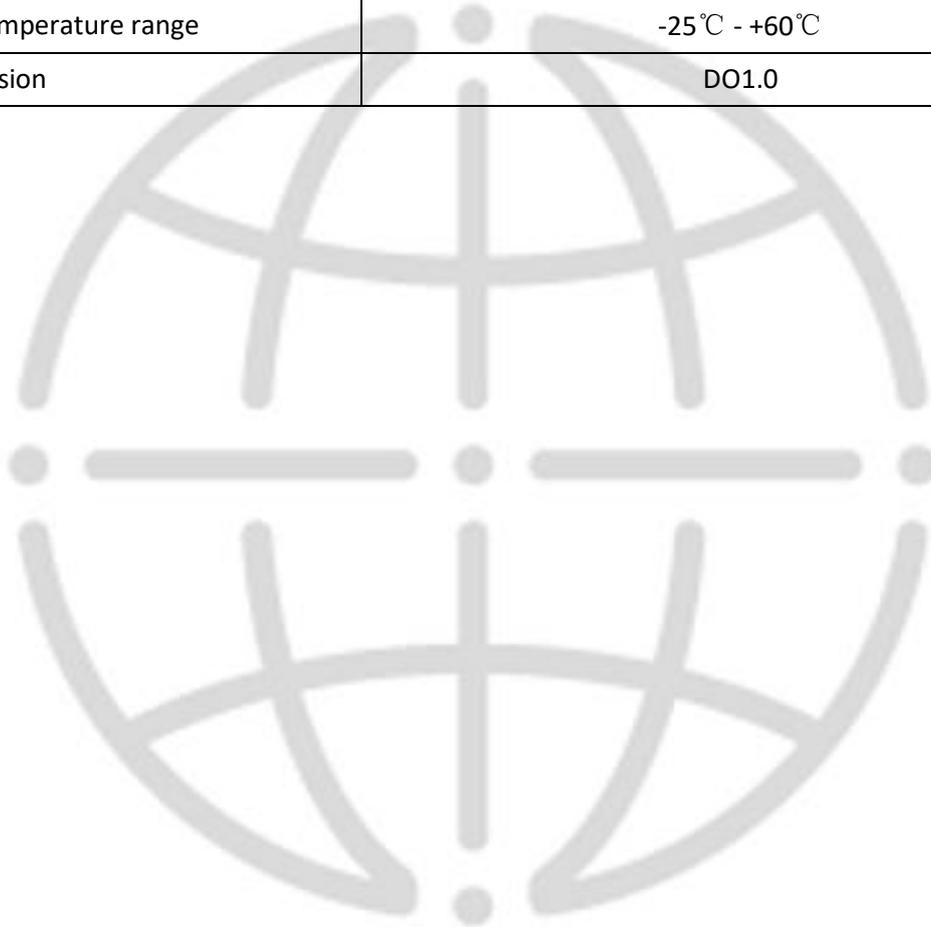
Model	MOD 3000TL3- AU	MOD 4000TL3- AU	MOD 5000TL3- AU	MOD 6000TL3- AU
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	5A	6.7A	8.3A	10A
Max. discharge power	3kW	4kW	5kW	6kW
Max. charge power	3kW	4kW	5kW	6kW
AC parameter				
Rated input/output power	6kW/ 3kW	8kW/ 4kW	10kW/ 5kW	12kW/ 6kW
Max. input/output apparent power	6kVA/ 3kVA	8kVA/ 4kVA	10kVA/ 5kVA	12kVA/ 6kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	9.1A/4.5A	12.1A/6.1A	15.2A/7.6A	18.2A/9.1A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	4.5A	6.1A	7.6A	9.1A
Max. apparent power	3kVA	4kVA	5kVA	6kVA
Power factor range	0.8Leading ~ 0.8Lagging			

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Others	
Ingress protection	IP66
Protection class	Class I
Operating temperature range	-25°C - +60°C
Software version	DO1.0



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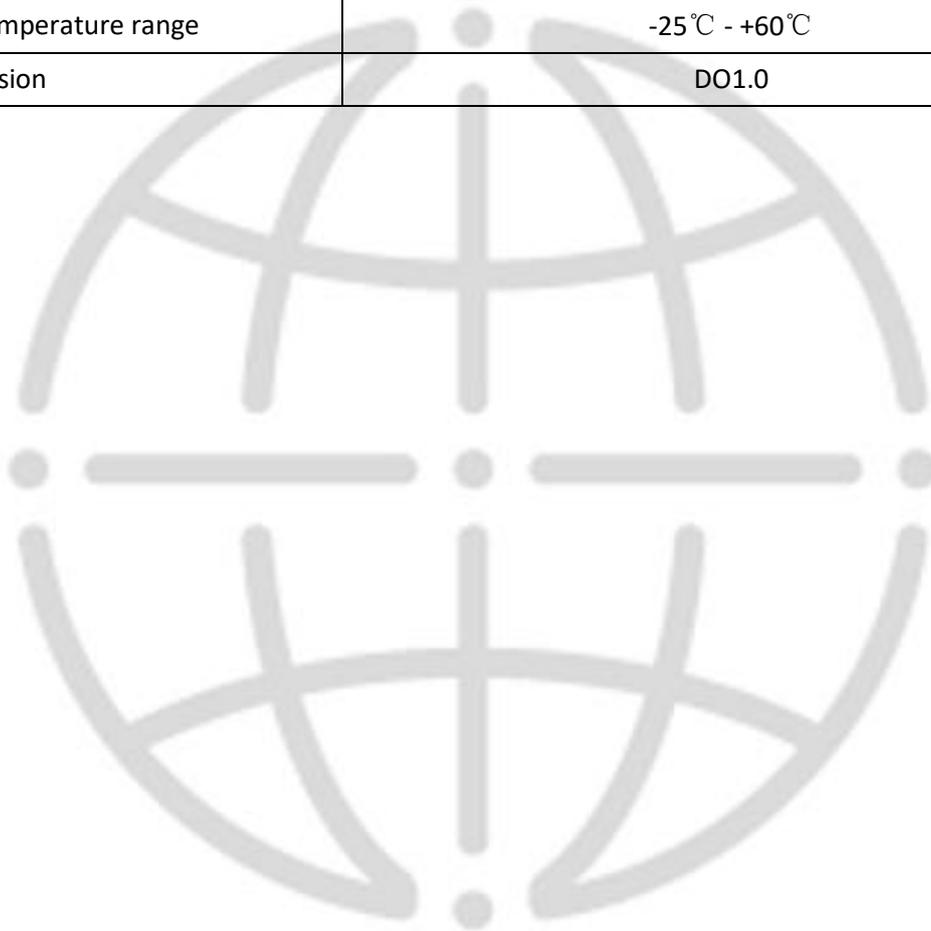
Model	MOD 7000TL3- AU	MOD 8000TL3- AU	MOD 9000TL3- AU	MOD 10KTL3- AU
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	11.7A	13.3A	15A	16.7A
Max. discharge power	7kW	8kW	9kW	10kW
Max. charge power	7kW	8kW	9kW	10kW
AC parameter				
Rated input/output power	14kW/ 7kW	16kW/ 8kW	18kW/ 9kW	20kW/ 10kW
Max. input/output apparent power	14kVA/ 7kVA	16kVA/ 8kVA	18kVA/ 9kVA	20kVA/ 10kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	21.2A/ 10.6A	24.2A/ 12.1A	27.3A/ 13.6A	30.3A/ 15.2A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	10.6A	12.1A	13.6A	15.2A
Max. apparent power	7kVA	8kVA	9kVA	10kVA
Power factor range	0.8Leading ~ 0.8Lagging			

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Others	
Ingress protection	IP66
Protection class	Class I
Operating temperature range	-25 °C - +60 °C
Software version	DO1.0



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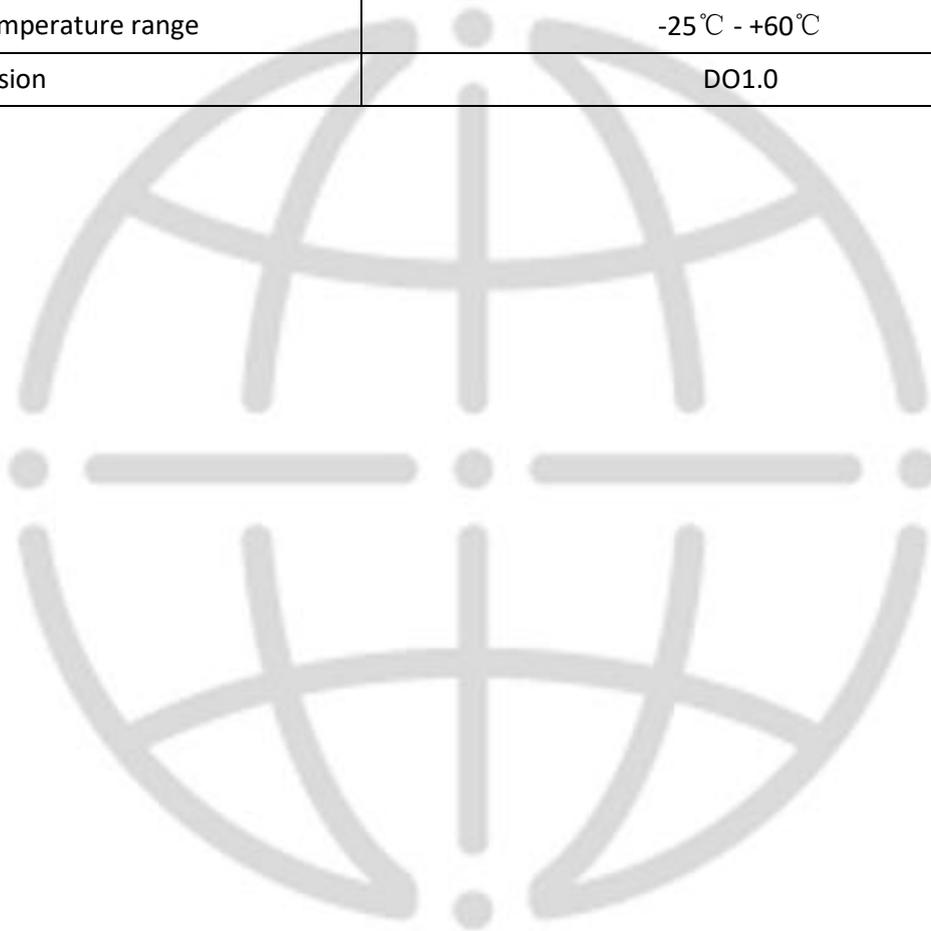
Model	MOD 11KTL3- AU	MOD 12KTL3- AU	MOD 13KTL3- AU	MOD 15KTL3- AU
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	18.3A	20A	21.7A	25A
Max. discharge power	11kW	12kW	13kW	15kW
Max. charge power	11kW	12kW	13kW	15kW
AC parameter				
Rated input/output power	22kW/ 11kW	24kW/ 12kW	26kW/ 13kW	30kW/ 15kW
Max. input/output apparent power	22kVA/ 11kVA	24kVA/ 12kVA	26kVA/ 13kVA	30kVA/ 15kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	33.3A/ 16.7A	36.4A/ 18.2A	39.4A/ 19.7A	45.5A/ 22.7A
Rated power factor (with rated power)	>0.99			
Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	16.7A	18.2A	19.7A	22.7A
Max. apparent power	11kVA	12kVA	13kVA	15kVA
Power factor range	0.8Leading ~ 0.8Lagging			

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Others	
Ingress protection	IP66
Protection class	Class I
Operating temperature range	-25°C - +60°C
Software version	DO1.0



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Model	MOD 6000TL3-HU-L	MOD 8000TL3-HU-L	MOD 10KTL3-HU-L
PV			
Max. DC input voltage	850Vdc		
MPPT voltage range	140 – 800Vdc		
PV maximum current	20A/20A/20A		
Max. PV Isc	25A/25A/25A		
DC battery			
Compatible battery	APX 5.0-30.0P-S2		
Operating voltage range	560 V ~ 850 V		
Max. operating current	26.8A		
Max. discharge power	6kW	8kW	10kW
Max. charge power	15kW	15kW	15kW
AC parameter			
Rated input/output power	9kW/6kW	12kW/8kW	15kW/10kW
Max. input/output apparent power	9kVA/6kVA	12kVA/8kVA	15kVA/10kVA
Rated output voltage	127V/220V 133V/230V		
Rated output frequency	50/60 Hz		
Max. input/output current	23.6A/15.7A	31.5A/21.0A	39.4A/26.2A
Rated power factor (with rated power)	>0.99		
Power factor range	0.8Leading ~ 0.8Lagging		
Type of grid connection	3W+PE/3W+N+PE		
AC output (backup)			
Rated output voltage	127/133Vac		

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Nominal frequency	50Hz/60Hz		
Maximum output current	15.7A	21.0A	26.2A
Max. apparent power	6kVA	8kVA	10kVA
Power factor range	0.8Leading ~ 0.8Lagging		
Others			
Ingress protection	IP66		
Protection class	Class I		
Operating temperature range	-25°C - +60°C		
Software version	DO1.0		

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