

Replus-1000TL Replus-1500TL Replus-2000TL

Specifications are subject to change without further notification.

ReneSola Replus serial inverters take reliability, efficiency, and ease of installation to a whole new level. Replus inverters are perfect for system integrators and end users who require high performance PV inverters for small and medium size solar PV project in industrial, commercial and residential applications. Replus inverters are available in sizes of 1.5 kW to 20 kW, and optimized for cost-efficiency in megawatt size power plants.



Transformerless design,
high efficiency (Max.97.5%, Euro.96.6%)



High Maximum Power Point Tracking (MPPT)
accuracy (>99.9%)



Wide DC input range (120-500Vdc), compatible
with different PV module technologies



Easy wiring, installation, and operation



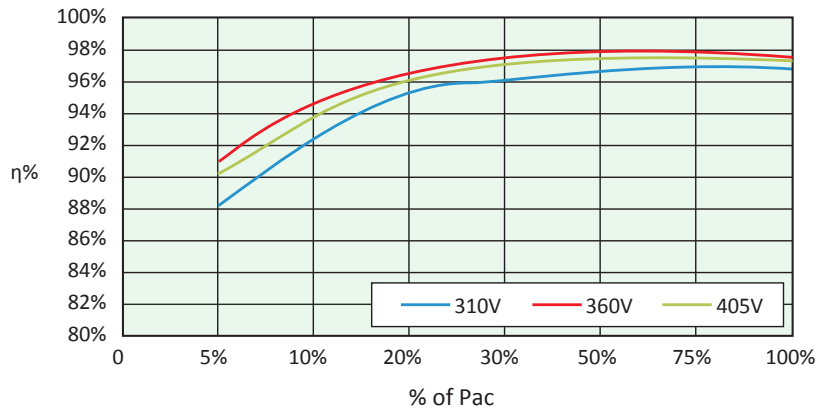
IP 65 design, suitable for indoor
and outdoor installation



5 years standard warranty
(Optional 10~25 years warranty available)



Efficiency Curve for Replus-2000TL



ENEL Guide RD1663 EN50438 NRS097

Europe

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Input (DC)	Replus-1000TL	Replus-1500TL	Replus-2000TL
Max. PV-Generator Power [Wp]	1300	1750	2300
Max DC Voltage [V]		500	
MPPT DC Voltage Range [V]	80~300	120~450	120~450
Turn off DC Voltage [V]	80	120	120
Max. DC Current [A]	16	18	18
Nominal DC Current [A]	8.5	14	16.5
Number of DC Connections		1	
DC-Connection		MC4	
Number of MPP trackers		1	
Turn on Power [W]		10	

Output (AC)	Replus-1000TL	Replus-1500TL	Replus-2000TL
Max. AC Power [W]	1100	1650	2200
Nominal AC Power [W]	1000	1500	2000
Max. AC Current [A]	5.8	9.0	12.0
Nominal AC Current [A]	4.3	6.5	8.5
Power Connection	Single phase		
Grid Voltage Range	According to VDE 0126-1-1, RD1663, ENEL2010, C10/11, G83/1, AS4777		
Grid Frequency Range	According to VDE 0126-1-1, RD1663, ENEL2010, C10/11, G83/1, AS4777		
Power Factor	0.99 (>30% of Full Load)		
Harmonic Distortion (THD) at Normal Output	<2%		
AC Connector	Plug-in connector		

Efficiency

Max. Efficiency (at 360VDC)	97.5%
Euro Efficiency (at 360VDC)	96.6%
MPPT Efficiency	99.9%

Power Consumption

Own Consumption in Operation [W]	30
Power Consumption at Night [W]	0
Power Consumption at Standby [W]	6

Safety and Protection

Internal Overvoltage Protection	Yes
DC Insulation Monitoring	Yes
Earth Fault Protection	Yes
Grid Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010, C10/11, G83/1, AS4777
Earth Fault Current Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010, C10/11, G83/1, AS4777
DC Current Monitoring	According to VDE 0126-1-1, RD1663, ENEL2010, C10/11, G83/1, AS4777
Islanding Protection	According to VDE 0126-1-1, RD1663, G83/1, AS4777

Normative Reference

CE- Compliant According to	EN62109, EN61000-6-1, EN61000-6-3, EN61000-6-2, EN61000-6-4 EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-11
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Dimensions and Weight

Dimensions (WxHxD)	330*425*130mm / 13.0*16.7*5.1inch
Weight	13kg /28.7lbs

Environmental Limits

IP Protection Type	IP 65 according to IEC 60529
Operating Temperature Range	-20°C to +60°C
Relative Humidity	0% to 98%, no condensation
Maximum Altitude (above sea level) [m]	2000
Noise Level [dBA]	<40

General Data

Isolation Type	Transformerless
Cooling Concept	Convection
Housing	Ironhousing for inside or outside installation
Mounting Information	Wall bracket
LED Display	3
LCD Display	16*2 Character LCD with backlight
Data Logger Data Communication Interfaces	RS485, Optional (Wi-Fi, GPRS, Ethernet)
Computer Communication	RS232 as Option
Standard Warranty	5 Years (Optional 10~25 years)