

## Replus 3600MTLB-US / 4200MTLB-US / 5000MTLB-US

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 sized solar PV projects in industrial, commercial and residential applications. Replus inverters are available in sizes from 1.5kW to 20kW, and optimized for cost-efficiency in megawatt sized power plants.

### Advantages



Double MPPT Tracker, MPPT tracking accuracy more than >99.5%



Max. Efficiency 98%, CEC Efficiency 97%



Integrated DC switch for added safety protection



Sans-transformer design and high power density, offer lighter and more convenient installation



10 year standard warranty



supports Wifi, Zigbee, RS232, RS485

Input(DC)	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
Max. DC power	3800W	4400W	5200W
Max. DC voltage	600V	600V	600V
Start Voltage	150V	150V	150V
PV voltage range	100V-600V	100V-600V	100V-600V
MPP voltage range	120V-550V	120V-550V	120V-550V
Max. input current	12A/12A	15A/15A	15A/15A
Max. input current per string	12A/12A	15A/15A	15A/15A
Number of independent MPP trackers / strings per MPP tracker	2/2	2/2	2/2
Output (AC)	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
Rated AC output power	3600W	4200W	4600W
Max AC apparent power	3600VA	4200VA	4600VA
Max. output current	18/17.1A/14.8A	21A/20A/17.2A	22A/23.7A/20.5A
AC nominal voltage; range	Default:240V single phase optional:208,240or277 single phase 183-228@208V 211-264V@240V 244-305@277V		
AC grid frequency; range	60Hz;59.3-60.5Hz	60Hz;59.3-60.5Hz	60Hz;59.3-60.5Hz
Phase shift (cosφ)	1	1	1
THDi	<3%	<3%	<3%
Consumption: operating (standby) / night	<5W / < 0.5 W	<5W / < 0.5 W	<5W / < 0.5 W
Efficiency	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
Max efficiency	98%	98%	98%
CEC efficiency	97%	97%	97%
MPPT efficiency	99.5%	99.5%	99.5%
Safety and Protection	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
DC reverse polarity protection	yes	yes	yes
DC switch for each MPPT	yes	yes	yes
Output over current protection	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes
Ground fault monitoring	yes	yes	yes
Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes
Environmental Limits	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
Noise emission (typical)	≤ 25 dB(A)	≤ 25 dB(A)	≤ 25 dB(A)
Altitude	Up to 2000m(6560ft) without power derating		
Operating temperature range	-25~+60°C with derating above 45°C		
Relative humidity	0%~95%(no condensing)		
General Data	Replus 3600MTLB-US	Replus 4200MTLB-US	Replus 5000MTLB-US
Dimensions (W / H / D)	360/650/188 mm	360/650/188 mm	360/650/188 mm
Cooling concept	Natural	Natural	Natural
Enclosure	Type 3R	Type 3R	Type 3R
Weight	28.3KG	28.3KG	28.3KG
Display	LCD	LCD	LCD
Interfaces: RS485/RS232/Bluetooth/RF/Zigbee	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt
Warranty: 10 years / 15 years	yes /opt	yes /opt	yes /opt
Certificates and approvals	UL1741,UL1998 IEEE 1547, CSA C22.2 No.107.1-1,FCC Part15(Class A&B)		