

Replus 800TLB-US 900TLB-US 1000TLB-US 1100TLB-US

ReneSola Replus string 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 project 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



Single MPPT Tracker, MPPT tracking accuracy >99.5%



Max. Efficiency 97.8%, 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 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Max. DC power	8300W	9300W	10350W	11400W
Max. DC voltage	600V	600V	600V	600V
Start voltage	360V	360V	360V	360V
DC rated voltage	345V @208Vac 379V @240Vac	345V @208Vac 379V @240Vac	345V @208Vac 379V @240Vac	379V
PV voltage range	300-600V @208Vac 345-600V @240Vac	300-600V @208Vac 345-600V @240Vac	300-600V @208Vac 345-600V @240Vac	345-600V
MPP voltage range	300-480V @208Vac 345-480V @240Vac	300-480V @208Vac 345-480V @240Vac	300-480V @208Vac 345-480V @240Vac	345-480V
Max. input current	30A	33A	36A	35A
Max. input current per string	30A	33A	36A	35A
Number of MPP trackers/ strings per MPP tracker	1/2	1/2	1/2	1/2
Output (AC)	Replus 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Nominal AC output power	8000W	9000W	10000W	11000W
Max. output current	44A @208Vac 38A @240Vac	48A @208Vac 43A @240Vac	49A @208Vac 48A @240Vac	48A
AC nominal voltage/range	208V / 183~229V, 240V / 211~264V			240V / 211~264V
AC grid frequency; range	60Hz / 59.3~60.5 Hz			
Power factor	1			
THDI	<3%			
Consumption: operating (standby) / night	<5W / <0.5W			
AC connection	two phase	two phase	two phase	two phase
Efficiency	Replus 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Max. efficiency	97.8%	97.8%	97.8%	97.8%
CEC efficiency	97%	97%	97%	97%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Safety and Protection	Replus 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Electronics string fuse	yes	yes	yes	yes
DC reverse-polarity protection	yes	yes	yes	yes
Input over voltage protection-Varistor	yes	yes	yes	yes
DC insulation measure	yes	yes	yes	yes
AC short circuit protection	yes	yes	yes	yes
Output over voltage protection-Varistor	yes	yes	yes	yes
Environmental Limits	Replus 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Noise emission	<46dB	<46dB	<46dB	<46dB
Altitude	≤2000m/6560ft			
Operating ambient temperature range	-25°C ... +60°C with derating above +45°C			
Relative Humidity	0%...95%(no condensing)			
General Data	Replus 8000TL-US	Replus 9000TL-US	Replus 10000TL-US	Replus 11000TL-US
Diemensions(W*H*D)	469*746*248mm	469*746*248mm	469*746*248mm	469*746*248mm
Cooling concept	Fan cooling	Fan cooling	Fan cooling	Fan cooling
Enclosure	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R
Weight	40KG	40KG	40KG	40KG
Display	LCD	LCD	LCD	LCD
Interface: RS485/RS232/ Bluetooth/Rf/ZigBee/WiFi	yes/opt/opt/opt/opt/opt	yes/opt/opt/opt/opt/opt	yes/opt/opt/opt/opt/opt	yes/opt/opt/opt/opt/opt
Warranty:10years/ 15 years	yes/opt	yes/opt	yes/opt	yes/opt
Certificates and approvals	UL1741,UL1998,IEEE1547,FCC part 15(class B),CSA C22.2 No.107.1			