

New Generation

The New Generation Micro Replus Inverters of ReneSola can effectively improve solar PV harvesting and reliability. The Micro Replus system mainly includes the Micro Inverter, trunk cable, Communication Gateway and Monitoring software.

- MPPT efficiency greater than 99.5%; Maximum power production; Resilient to dust, debris and shading.
- Higher AC output power, suitable for all 72 cells module up to 300W.
- Higher system efficiency (Max: 96.30%).
- Trunk cable system architecture, effectively reduces influence of AC cable fault.
- Integrated grounding technology, Simplified system installation
- Single module monitoring, convenient maintenance
- Low input DC voltage, more safety and reduced risk of electrocution.



MODEL	Replus -300-240A	Replus -300-208A	
INPUT(DC)	Max Recommended PV Power(Wp)	300	300
	Max DC Open Circuit Voltage(V)	60	60
	Max DC Input Current (A)	12	12
	MPPT Tracking Accuracy	>99.5%	>99.5%
	MPPT Tracking Range(V)	22-55	22-55
OUTPUT(AC)	Rated AC Output Power(W)	250	250
	Nominal Power Grid Voltage(V)	240 / 220	208/ 220
	Allow able Power Grid Voltage(V)	211-264 / 198-253	186-228 / 198-253
	Allow able Power Grid Frequency(Hz)	59.3-60.5 / 45.5-52.5	59.3-60.5 / 45.5-52.5
	THD	<3%(at rated power)	<3% (at rated power)
	Power Factor	>0.95	>0.95
SYSTEM EFFICIENCY	Peak Efficiency	96.3%	96.3%
	CEC Efficiency	95.5%	95.5%
	Night Time Tire Loss(W)	0.8	0.6
PROTECTION FUNCTIONS	Over/Under Voltage Protection	Yes	Yes
	Over/Under Frequency Protection	Yes	Yes
	Anti-Islanding Protection	Yes	Yes
	Over Current Protection	Yes	Yes
	Reverse DC Polarity Protection	Yes	Yes
	Overload Protection	Yes	Yes
	Protection Degree	NEMA-6	NEMA-6
	Environment Temperature	-40°C ~+65°C	-40°C ~+65°C
OTHER PARAMETERS	Environment Humidity	0-95% non-condensation	0-95% non-condensation
	Display	LED LIGHT	LED LIGHT
	Communications	Power Line Communication	Power Line Communication
	Dimension (D-W-H mm)	263*200.46*25	263*200.46*25
	Weight(Kg)	2.2	2.2