

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.



EN 50438 C10/11 IEC61727

MODEL	Replus-300-EU	
INPUT(DC)	Max Recommended PV Power (Wp)	300
	Vmax PV (absolute maximum) (Vdc)	60
	PV Input Operating Voltage Range (Vdc)	22-55
	Maximum Operating PV Input Current (Adc)	12
	MPPT Tracking Accuracy	>99.5%
	Isc PV (absolute maximum) (Adc)	14
	Maximum Inverter Backfeed Current to the Array (Adc)	0
OUTPUT(AC)	Rated AC Output Power (W)	250
	Nominal Power Grid Voltage (Vac)	230
	Current (maximum continuous) (Aac)	1.2
	Current (inrush) (Peak and Duration)	12A, 15us
	Nominal Frequency (Hz)	50
	Power Factor	>0.95
	Maximum Output Fault Current (Aac)	1.5
	Maximum Output Overcurrent Protection (Aac)	6.3
SYSTEM EFFICIENCY	Peak Efficiency	96.30%
	CEC Efficiency	95.5%
	Night Time Tare Loss (W)	0.07
PROTECTION FUNCTIONS	Over/Under Voltage Protection	Yes
	Over/Under Frequency Protection	Yes
	Anti-Islanding Protection	Yes
	Over Current Protection	Yes
	Reverse DC Polarity Protection	Yes
	Overload Protection	Yes
	Protective Class	I
	IP Rating per Part 1	IP66 / IP67
	Environment Temperature	-40°C ~ +65°C
	Environment Humidity	0-95% non-condensation
OTHER PARAMETERS	Display	LED LIGHT
	Communications	POWERLINE
	Dimension (D-W-H mm)	263*200.46*25
	Weight(Kg)	2.2