

Micro Replus™

by ReneSola

Replus-250A Replus-250B

The smart design of ReneSola's Micro Replus inverters improves solar PV harvesting and reliability. The Micro Replus System includes the micro-inverter, MRG Communications Gateway, and Monitoring Software.



Maximum power production; Resilient to dust, debris, and shading



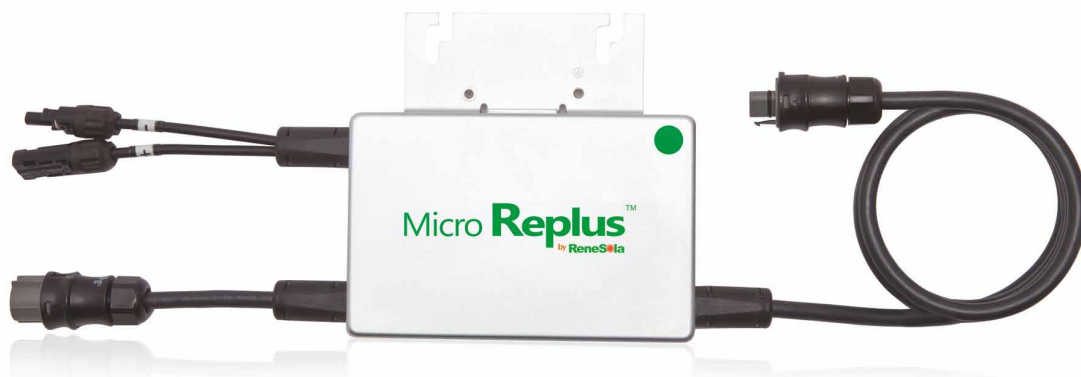
MPPT efficiency greater than 99.5%; No single point of system failure



Simplified PV system design & installation; Performance monitoring for each PV module



Low DC input voltage, resulting in safe installation



Intertek
4006311

Input (DC)	Replus-250A	Replus-250B
Recommended PV-generator Power (Wp)	250	250
Max. DC Voltage (V)	60	60
MPPT DC Voltage Range (V)	22-55	22-55
Max. DC Current (A)	14	14
Max. Units per Branch Circuit	15	12

Output (AC)	Replus-250A	Replus-250B
Rated Maximum Continuous Output Power(W)	225	217
AC Max. cont. Output Current (A)	1.0	1.2
Nominal AC Voltage / Range (V)	240 / 211 ~ 264	208 / 186 ~ 228
AC Power Frequency / Range (Hz)	60 / 59.3 ~ 60.5	60 / 59.3 ~ 60.5
Power Factor (cosφ)	>0.99 (full load)	>0.99 (full load)

Protection		Efficiency	
Over/ Under Voltage Protection	Yes	Peak Efficiency	96.3%
Over/ Under Frequency Protection	Yes	CEC Efficiency	95.0%
Anti-Islanding Protection	Yes	MPPT Efficiency	>99.5%
Over Current Protection	Yes		
Reverse DC Polarity Protection	Yes		
Overload Protection	Yes		

General Data	
Degree of Protection	NEMA 6
Power Consumption at Night (W)	<0.17
Operation Ambient Temperature	-40°C ~ +65°C
Relative Humidity	0 ~ 95%
Display	LED Indicator
Communication	PLC (Power Line Communication)
Dimensions (WxHxD)	9.06*5.44*1.38 inch / 230*138*35 mm
Weight	4.4 lbs / 2.0 kg (including cables & connectors)
Warranty	25-year limited warranty
Compliance	UL 1741 / CSA C22.2 No.107.1 / FCC Part15 Class B