



ReplusTM

by ReneSola

Replus-250A / Replus-250B



Features

- 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

INTRODUCTION

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.

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Input(DC)	Replus-250A	Replus-250B
Max.PV-Generator Power [Wp]	250	250
Max.DC Voltage [V]	55	55
MPPT DC Voltage Ranget [V]	22-45	22-45
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]	>0.95	>0.95
Maximum Output Fault Current [Aac]	1.5	1.5
Total Harmonic Distortion [THD]	<5%	<5%

Protection	
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

Output (AC)	
Peak Efficiency	96.3%
CEC Efficiency	95.0%
MPPT Efficiency	>99.5%

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 / 23.*138*35 mm
Weight	4.4 lbs / 2.0 kg (including cables&connectors)
Warranty	25-year limited warranty
Compliance	UL1741 / CSA-C22.2 No.107.1 / FCC Part 15Class B, AS4777.2, AS4777.3