Micro Replus™ by ReneSola

Replus-250

The smart design of ReneSola's Micro Replus inverters improve 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 input voltage DC, improved safety, and reduced risk of electrocution

EN 50438 C10/11 IEC61727

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Input (DC)	Replus-250
Recommened PV-Generator Power (Wp)	250
Max. DC Voltage (V)	60
MPPT DC Voltage Range (V)	22-55
Max. DC Current (A)	14
Max. Units per Branch Circuit	13

Output (AC)	Replus-250
Nominal AC Power (W)	220
Max. AC Output Current (A)	1.1
Nominal AC Voltage / Range (V)	230 / 180 ~ 270
Nominal AC Frequency / Range (Hz)	50 / 45.5 ~ 54.5
Remote Adjust Parameters	over/under voltage, over/under frequency, reconnection time
Power Factor (cosϕ)	>0.99 (full load)
THD	<3% (full load)

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

Efficiency

Peak Efficiency	96.3%
CEC Efficiency	95.0%
MPPT Efficiency	>99.5%

General Data

Degree of Protection	IP66/IP67
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)(mm)	230*138*35
Weight (kg)	2.0 (including Cables & Connectors)
Warranty	25-year limited warranty
Compliance	AS 4777.2, AS 4777.3, AS/NZS 3100, AS/NZS 61000.6.3; IEC 62109-1/2,EN 62109-1/2; DIN V VDE V 0126-1-1, VDE-AR-N 4105, DIN V VDE V 0124-100; G83, PPP 59014:2013; EN 61000-6-2/3; EN 50438; C10/11; IEC 61727
DC Connector Type	MC4, QC4 or PV-JM601

Specifications are subject to change without further notification.