

KIT VGP FV250AM



PN 040000100007

version 1

000014001

Photovoltaic FV250AM kit contains everything needed to perform an installation of consumption of 250 W connected to the grid: REC 250PE photovoltaic module, micro-inverter 250 Replus with a 5 meter cable for connection to the grid and a Renusol mounting structure for sloping roman tile roofs over reinforced concrete slabs.



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Elements Included in the Kit

Item	Unit
Photovoltaic Module: REC 250 PE	1
Inverter: Renesola Replus 250	1
AC 5m Cable: Renesola	1
Lateral bezel RIGHT/LEFT: Renusol VarioSole	2
Lateral Fixer 30-50mm: Renusol VarioSole	4
Fixing screws inverter to base profil: Renusol	2
Concrete stainless steel roof clasp: Renusol	4
SE Profil Base 1050 mm: Renusol VarioSole	2



REC 250PE Specifications	Renesola Replus 250 Specifications
<p>Main Characteristics</p> <p>60 REC PE multi-crystalline 3 strings of 20 cells with bypass diodes Glass: 3.2 mm solar glass with anti-reflection surface treatment. Double layer highly resistant polyester. Anodized aluminum (silver) frame. 4 mm² solar cable, 0.9 m + 1.2 m. Multi-Contact MC4 (4 mm²) Connectors</p> <p>Performance</p> <p>Nominal Power - P_{MAX} (Wp): 250 Wp Watt Class Sorting (W):0/+5 Nominal Power Voltage - VMPP (V):30.2 Nominal Power Current - IMPP (A):8.3 Open Circuit Voltage - VOC (V):37.4 Short Circuit Current - IS (A):8.86 Cell Temperature (NOCT): 47.9 °C (±2°C) Temperatura coefficient of PMPP -0.43 %/°C Temperature coefficient of VOC: -0.33 %/ °C Temperature coefficient of ISC: 0.074 %/ °C Operational temperature: -40 ... +80°C Maximum voltage: 1000V Maximum peak : 551 kg/m² (5400 Pa) Maximum wind load: 197 km/h (factor de seguridad 3) Max series fuse rating: 15A Max reverse current: 15A Dimensions: 1665 x 991 x 38 mm Area: 1.65 m² Weight: 18 kg</p>	<p>Input (DC)</p> <p>Recommended PV-Generator Power (Wp): 250 Max DC Voltage (V):60 MPPT DC Voltage Rang (V):22-55 M_{ax}. DC Current (A):14 Max. Units per Branch Circuit:13 Over/Under Voltage Protection: Yes Anti-islanding Protection: Yes Over Current Protection: Yes Deverse DC Polarity Protection: Yes Overload Protection: Yes</p> <p>Efficiency</p> <p>Peak Efficiency: 96.3% CEC Efficiency: 95.0% MPPT Efficiency: >99.5%</p> <p>Output (AC)</p> <p>Nominal AC Power (W): :220 AC Max. Cont Output Current (A): 1.1 Nominal AC Voltage (V): 230 Nominal AC Range (V): 200 ~ 270 AC/ Power Frequency (Hz): 50 / 45.5 ~ 54.5 AC/Power Rang (Hz): 45.5 ~ 54.5 Power Fact (cosφ): >0.99 (full load)</p>