

Procacci S.r.l. in liquidazione

Loc. Mocaiana – Fraz. Monteleto, 33

06024 GUBBIO (PG)



PERIZIA DI STIMA

ALLEGATO 3 - SCHEDA TECNICA MODULO

FOTOVOLTAICO

Impianto fotovoltaico della potenza di
349,60 kWp connesso alla rete elettrica in regime di
cessione totale dell'energia prodotta.

Fossato di Vico (PG) - Loc. Osteria del Gatto

Per Esaerg S.r.l.:

Arch. Fabio Bicchielli

Ing. Federico Biliorsi

Ing. Nicola Carboni

Settembre 2023

ESAERG S.r.l.

Sede: Viale Michelangelo Buonarroti, 100/1 - 52100 Arezzo - C.F./P.IVA: 02156510519
Tel. Fax: +39 0575 26665 - email: info@esaerg.it - PEC: esaerg@pec.it





Hunan Red Solar New Energy Science and Technology Co., Ltd.

RSE-P-24, 215W to 235W

ELECTRICAL CHARACTERISTICS

Type	RSE-P-24	215	220	225	230	235
Max-Power	Pm(W)	215	220	225	230	235
Power Tolerance	(%)	±3	±3	±3	±3	±3
Max-Power Voltage	Vm(V)	28.5	29.0	29.4	29.8	30.1
Max-Power Current	Im(A)	7.55	7.60	7.66	7.72	7.81
Open-Circuit Voltage	Voc(V)	36.4	36.8	36.9	37.0	37.1
Short-Circuit Current	Isc(A)	8.13	8.15	8.20	8.26	8.31
Max-System Voltage	(VDC)	1000				
Cell Efficiency	η_c (%)	14.7	15.1	15.4	15.8	16.1
Module Efficiency	η_m (%)	13.1	13.4	13.7	14.1	14.4

PACKAGING CONFIGURATION

Packing Configuration		20 pcs./box
Quantity/Pallet		1 box / pallet
Loading Capacity		520 pcs/40ft or 260 pcs/20ft

SPECIFICATION

Cable type, Diameter and Length		Ø= 4 mm ² L= 900 mm TÜV certified
Type of Connector		MC3 or MC4, Compatible Type III or IV
Dimension A*B*C		1650*992*40 (mm)
Weight		19.5 Kg
No. of Draining Holes In Frame		8
Glass, Type and Thickness		High Transmission, Low Iron, Tempered Glass 3.2 mm
Number, type and arrangement of cells		60 pcs. Multi-Crystalline Silicon (6x10)
Cell Size		156 mm x 156 mm
No. of Bypass Diodes	(pcs.)	6
Max. Series Fuse	(A)	14
Pm Temperature Coefficient	(%/°C)	- 0.45
Isc Temperature Coefficient	(%/°C)	0.05
Voc Temperature Coefficient	(%/°C)	- 0.35
NOCT- Nominal Operating Cell Temperature	(°C)	47±2

ABSOLUTE RATINGS

Dielectric Insulation Voltage	(VDC)	3000 max.
Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+85

*STC Conditions(1000W/m²; 1.5 AM and 25°C Cell temperature)

Multicrystalline Solar Modules

STRENGTHS

- Tolerance ± 3%
- 3 Bus Bar Configuration
- Plug & Play Connectors
- High Transmission, Low Iron Tempered Glass
- Can bear loads up to 5400 Pascals (IEC 61215 2nd)



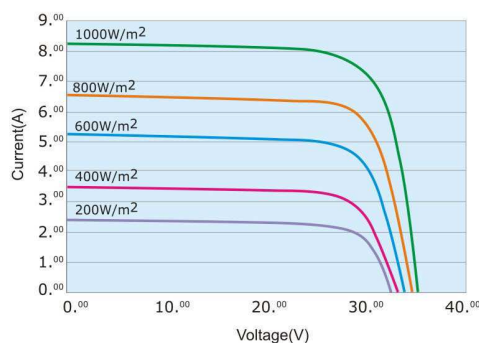
Hunan Red Solar New Energy Science and Technology Co., Ltd.



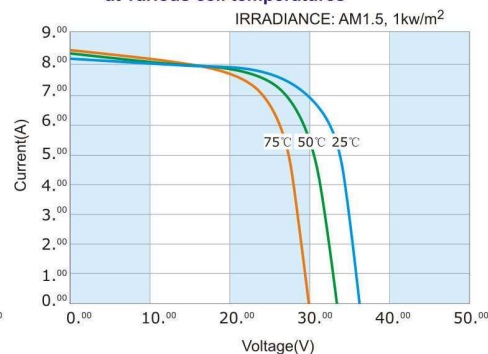
RSE-P-24, 215W to 235W

CHARACTERISTIC CURVES

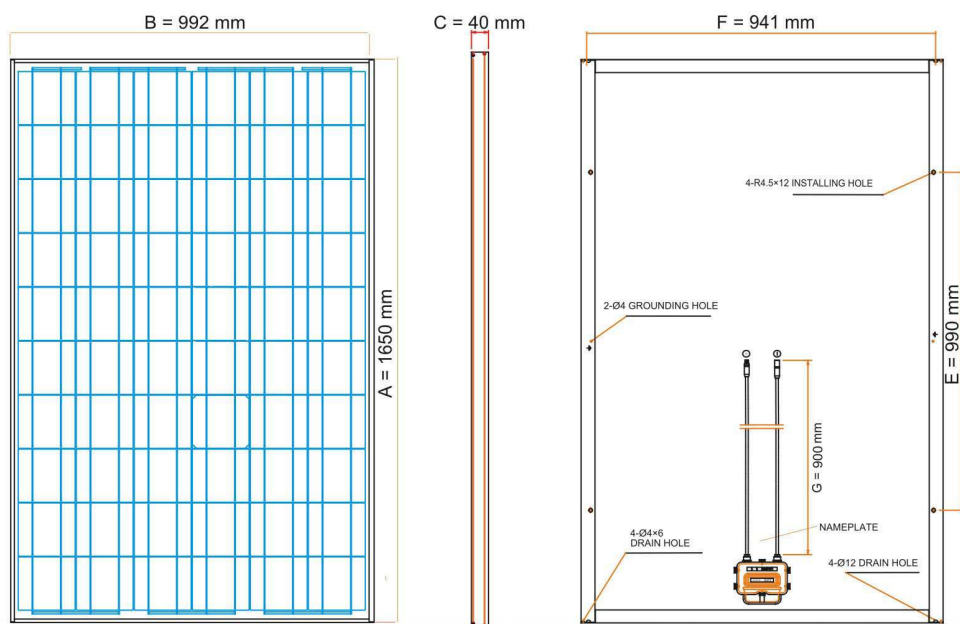
I-V Curves of PV module RSE-220P-24



I-V Curves of module RSE-220P-24 at various cell temperatures



DIMENSIONS



WARRANTY

Manufacturing: 5 years
Power production: 90% : 12 years
80% : 25 years

CERTIFICATIONS



Dimensions A*B*C

1650*992*40 (mm)

Installation Hole E*F

941*990 (mm)

Cable Length G

900 mm

*The company is not responsible for potential typing errors.