



PEAK PV
SOLAR

144

HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



ISO9001
ISO14001
ISO45001
IEC62941



PPV144-530W-550W

144 CELL

Mono PERC Module

530-550Wp

Power Output Range

1500VDC

Maximum System Voltage

21.3%

Maximum Efficiency

KEY SALIENT FEATURES



Industry leading lowest thermal co-efficient of power



Excellent low irradiance performance



Excellent PID Resistance



Module Imp binning radically reduces string mismatch losses



Warranted reliability and stringent quality assurances well beyond certified requirements



Certified to withstand severe environmental conditions

- ◆ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- ◆ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- ◆ Excellent mechanical load 2400Pa & snow load 5400Pa resistance

About Europower

Europower Enerji A.S., operating on 38.000m² production area, develops and manufactures products for LV, MV and HV electrical systems with an experienced, solution-focused and highly skilled engineering team.

With the support of latest technology machinery and production capabilities, we manufacture;

All products are manufactured in compliance with international standards and type tested at internationally accredited laboratories. Europower Enerji offers a wide range of engineering services, such as; project design, project management, automation & SCADA, commissioning, supervision, eld tests and training services.

Europower Enerji and its affiliates are also specialized on electrical and electromechanical EPC projects in Turkey and abroad. We consistently deliver high quality turn-key projects for high-profile clients in a wide variety of industries. In addition to these, Europower Enerji performs type tests, routine tests and eld tests for equipment up to nominal voltage of 245kV (up to 1200kV BIL and 500kV at power frequency) in our internationally (TURKAK) accredited high voltage testing laboratory.

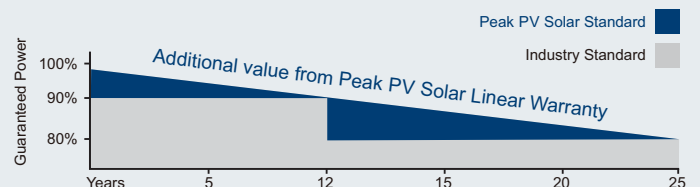
Europower Enerji ve Otomasyon Teknolojileri San. Tic. A.Ş.

Saray Mah. Atom Cad. No:17 Kahramankazan / Ankara

T: +90.312 815 48 80 (pbx) F: +90.312 815 48 81

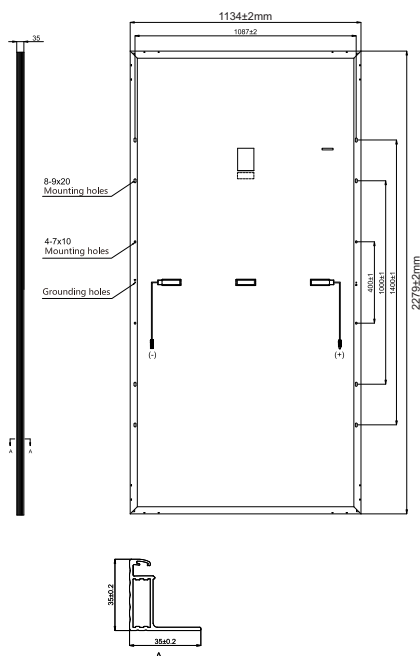
www.europowerenerji.com.tr

LINEAR PERFORMANCE WARRANTY 12 Year Product Warranty / 25 Year Linear Power Warranty



Dimensions of PV Module

Unit: mm



ELECTRICAL DATA (STC)

Model Number	PPV144-10-530M	PPV144-10-535M	PPV144-10-540M	PPV144-10-545M	PPV144-10-550M
Rated Power in Watts-P _{max} (Wp)	530	535	540	545	550
Open Circuit Voltage-V _{oc} (V)	49.40	49.50	49.60	49.70	49.80
Short Circuit Current-I _{sc} (A)	13.55	13.64	13.74	13.84	13.94
Maximum Power Voltage-V _{mpp} (V)	41.75	41.87	41.99	42.11	42.23
Maximum Power current-I _{mpp} (A)	12.70	12.79	12.87	12.96	13.02
Module Efficiency (%)	20.5	20.7	20.9	21.1	21.3

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5 according to EN 60904-3.

* Module Efficiency (%): Round-off to the nearest number.

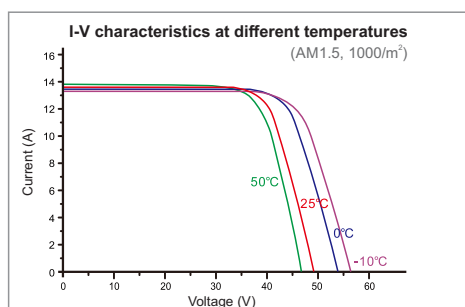
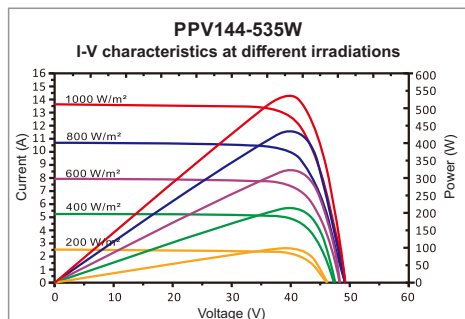
ELECTRICAL DATA (NMOT)

Model Number	PPV144-10-530M	PPV144-10-535M	PPV144-10-540M	PPV144-10-545M	PPV144-10-550M
Rated Power-P _{max} (Wp)	394.6	398.5	402.0	405.8	409.6
Open Circuit Voltage-V _{oc} (V)	46.58	46.68	46.77	46.87	46.98
Short Circuit Current-I _{sc} (A)	11.11	11.18	11.27	11.35	11.48
Maximum Power Voltage-V _{mpp} (V)	38.60	38.70	38.80	38.90	39.0
Maximum Power current-I _{mpp} (A)	10.22	10.30	10.36	10.43	10.90

NMOT: Irradiance 800 W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Configuration	144 cells (6x12+6x12)
Module Dimensions	2279x1134x35mm
Weight	27.8 kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-Sheet
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0 mm ² (12AWG), Positive(+) 350mm, Negative(-) 350mm (Connector Inc.)
Connector	PV-SY02, IP68



TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C ± 2 °C
Temperature Coefficient of Voc	-0.275% / °C
Temperature Coefficient of I _{sc}	0.045% / °C
Temperature Coefficient of P _{max}	-0.35% / °C
Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	25A

Our Partners:

PACKAGING CONFIGURATION

	40ft(HQ)
Number of Modules per Container	620
Number of Modules per Pallet	31
Number of Pallets per Container	20
Packaging Box Dimensions (LxWxH) in mm	2325x1150x1250
Box gross Weight (kg)	910