



BLP7F60M

440W-460W

Key Specifications:



High output power



High transmissivity low-iron tempered glass,
strong aluminium frame



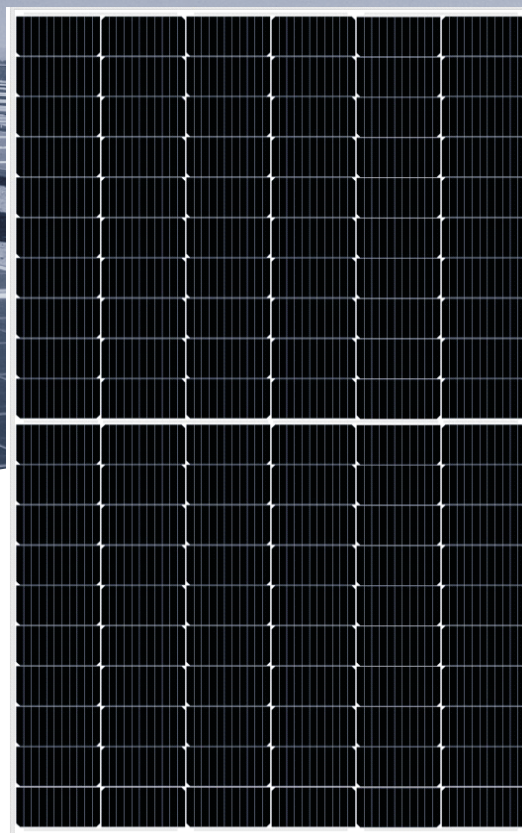
Long lifespan, easy installation, high wind &
hail impact resistance



100% A grade solar cell with positive tolerance
power range



Low voltage-temperature coefficient allows
higher power output at high-temperature condition



SYSTEM & PRODUCT CERTIFICATES

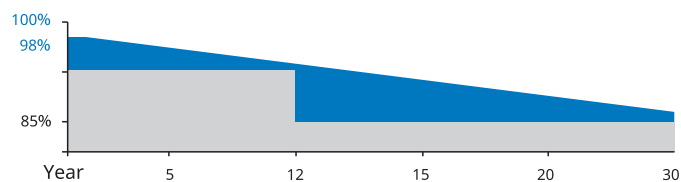
IEC 61215/IEC 61730 /UL 61730
ISO 9001: 2015 Quality Management System
ISO 14001:2015 Environment Management System
ISO 45001: 2018 Occupational Health and Safety
Management Systems

QUALIFICATIONS AND CERTIFICATES



CE / IEC61215 / IEC61730

WARRANTY



Guarantee on product material and
workmanship

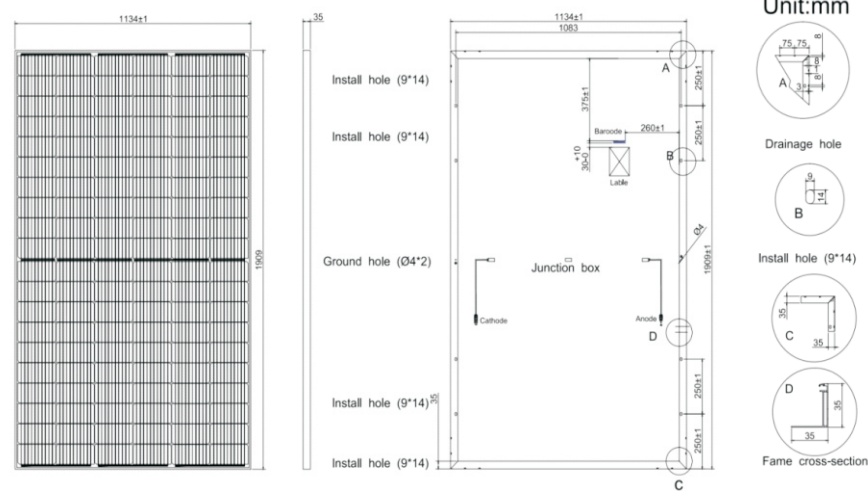


Linear Power output warranty

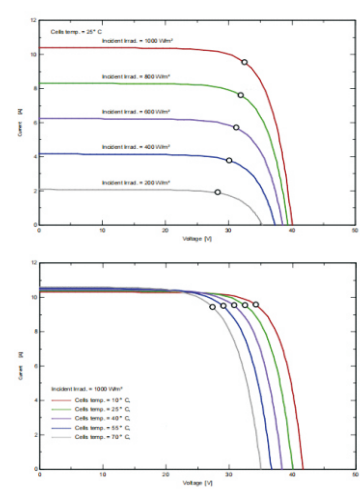
Bluesky

Bluesky Business GmbH
An der Strusbek 37
22926 Ahrensburg

PV DRAWINGS



IV CURVE



ELECTRICAL DATA (STC)

Model Type	BLP7F60M-440W	BLP7F60M-450W	BLP7F60M-455W	BLP7F60M-460W
Peak Power (Pmax)	440.00	450.00	455.00	460.00
Maximum Power Voltage (Vmp)	34.47	34.79	34.95	35.11
Maximum Power Current (Imp)	12.77	12.94	13.02	13.11
Open Circuit Voltage (Voc)	41.00±3%	41.4±3%	41.60±3%	41.80±3%
Short Circuit Current (Isc)	13.56±3%	13.74±3%	13.88±3%	13.93±3%
Module Efficiency (%)	20.34	20.80	21.02	21.26

* STC: irradiance 1000 W/m², AM 1.5G, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

Peak Power (Pmax)	327.10	334.50	338.20	342.20
Maximum Power Voltage (Vmp)	31.97	32.29	32.45	32.61
Maximum Power Current (Imp)	10.24	10.36	10.43	10.50
Open Circuit Voltage (Voc)	38.41±3%	38.77±3%	38.95±3%	39.14±3%
Short Circuit Current (Isc)	10.91±3%	11.07±3%	11.15±3%	11.22±3%

* NOCT: irradiance 800 W/m², AM 1.5G, ambient temperature 20°C, wind speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*182mm
No. of Cells	120(6x20)
Dimensions	1909*1134*35mm
Weight	22.74kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3 diodes
Output cables	4mm² cable 30cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500V
Maximum Series Fuse Rating (A)	20A
Power Tolerance	0~+5W
Pmax Temperature Coefficients (W/°C)	-0.350%
Voc Temperature Coefficients (V/°C)	-0.270%
Isc Temperature Coefficients (A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature (°C)	45±2°C
Operating and Storage Temperature (°C)	-40~+85°C

PACKING WAY

20FT	12 Packages/330PCS
40HQ	24 Packages/744PCS

PARTNER SECTION

Bluesky

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