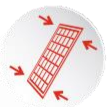


PHOTONKRAT[®] SERIES 6

390-410W

132 Half-Cell Layout

M6/166mm Cell



Module Technologies



Gallium-doped Technology



Half Cut Cell Technology



Anti-PID
Low LID
Performance

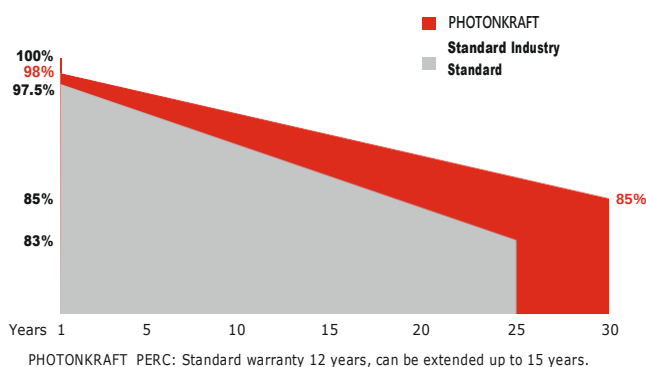


Less Hot Spot
Shading Effects



Enduring High
Reliability & Performance

Linear performance Warranty



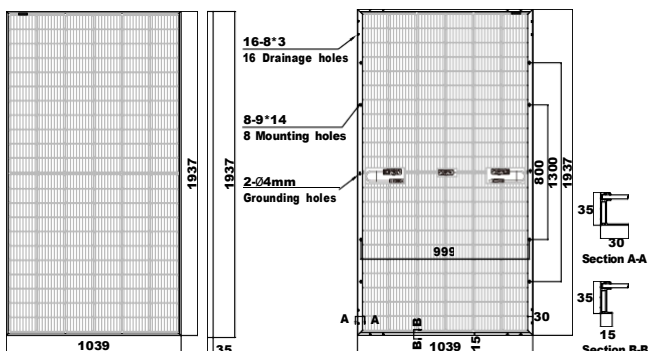
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	132 (6x22)
Dimensions	1937 x 1039 x 30mm
Weight	24.0kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm²
Output Cables	300mm (+) / 300mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNST-390MD	LNST-395MD	LNST-400MD	LNST-405MD	LNST-410MD
	STC	STC	STC	STC	STC
Maximum power (Pmax)	390W	395W	400W	405W	410W
Open Circuit Voltage (Voc)	45.33V	45.56V	45.79V	46.01V	48.95V
Short Circuit Current (Isc)	11.13A	11.19A	11.26A	11.32A	12.31A
Voltage at Maximum power (Vmpp)	36.69V	36.93V	37.17V	37.41V	41.11V
Current Maximum Power (Impp)	10.63A	10.70A	10.76A	10.83A	10.89A
MODULE EFFICIENCY (%)	17.81%	18.04%	18.27%	18.50%	18.73%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

OUTPUT-REAR SIDE POWER GAIN

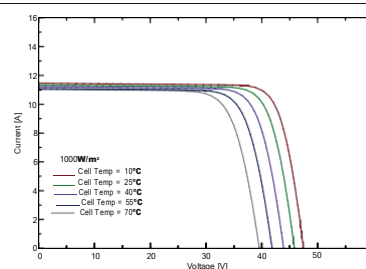
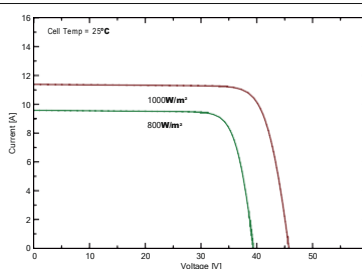
	Maximum power (Pmax)	410W	415W	420W	425W	431W
5%	Module Efficiency STC (%)	20.35%	20.61%	20.87%	21.13%	21.39%
	Maximum power (Pmax)	449W	454W	460W	466W	472W
15%	Module Efficiency STC (%)	22.29%	22.57%	22.86%	23.14%	23.43%
	Maximum Power (Pmax)	488W	494W	500W	506W	513W
25%	Module Efficiency STC (%)	24.22%	24.53%	24.84%	25.15%	25.47%

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	36	36
Pallets per container	6	24
Pieces per container	216	864

I-V CURVE

LNST-410MD/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. PHOTONKRAFT reserves the right to modify the information any time without prior notice.