

REGIONE PUGLIA
PROVINCIA di LECCE
COMUNE di GUAGNANO
Località Marancio

*IMPIANTO AGRO-VOLTAICO a terra
della POTENZA DI 20,124 MW in CESSIONE TOTALE*

VIA Nazionale
AI SENSI DEL D.LGS. 152/2006

Id elaborato n°: D.22	Titolo elaborato: MODULO FOTOVOLTAICO	
Scala: 1:10	Formato stampa: A4	Codice identificativo elaborato:

Committente:

SOLARPOWER S.r.l.

P.IVA e C.F. 02596500211

Sede Legale: Via JULIUS DURST,6 - 39042 Bressanone (BZ)

Amministratore Unico: Psailer Eugen
nato a Bressanone (BZ) il 09/01/1972
C.F. PSR GNE 72A09 B160E

Progettista:

Pvk Srl

Via E. Estrafallaces, 16 - 73100 Lecce (LE)

P.IVA 04347200752

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Ing. Igor Fonseca

Via E. Estrafallaces 6, 73100 Lecce

Iscr. Ordine Ingg. Prov. di Lecce n° 2783

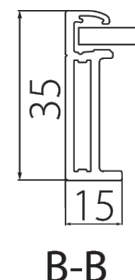
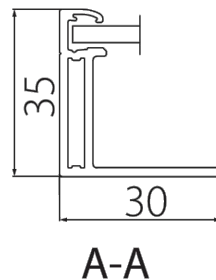
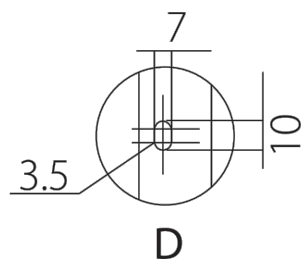
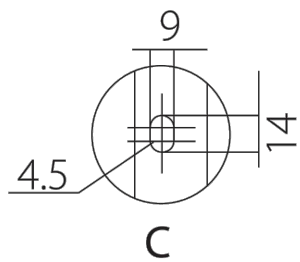
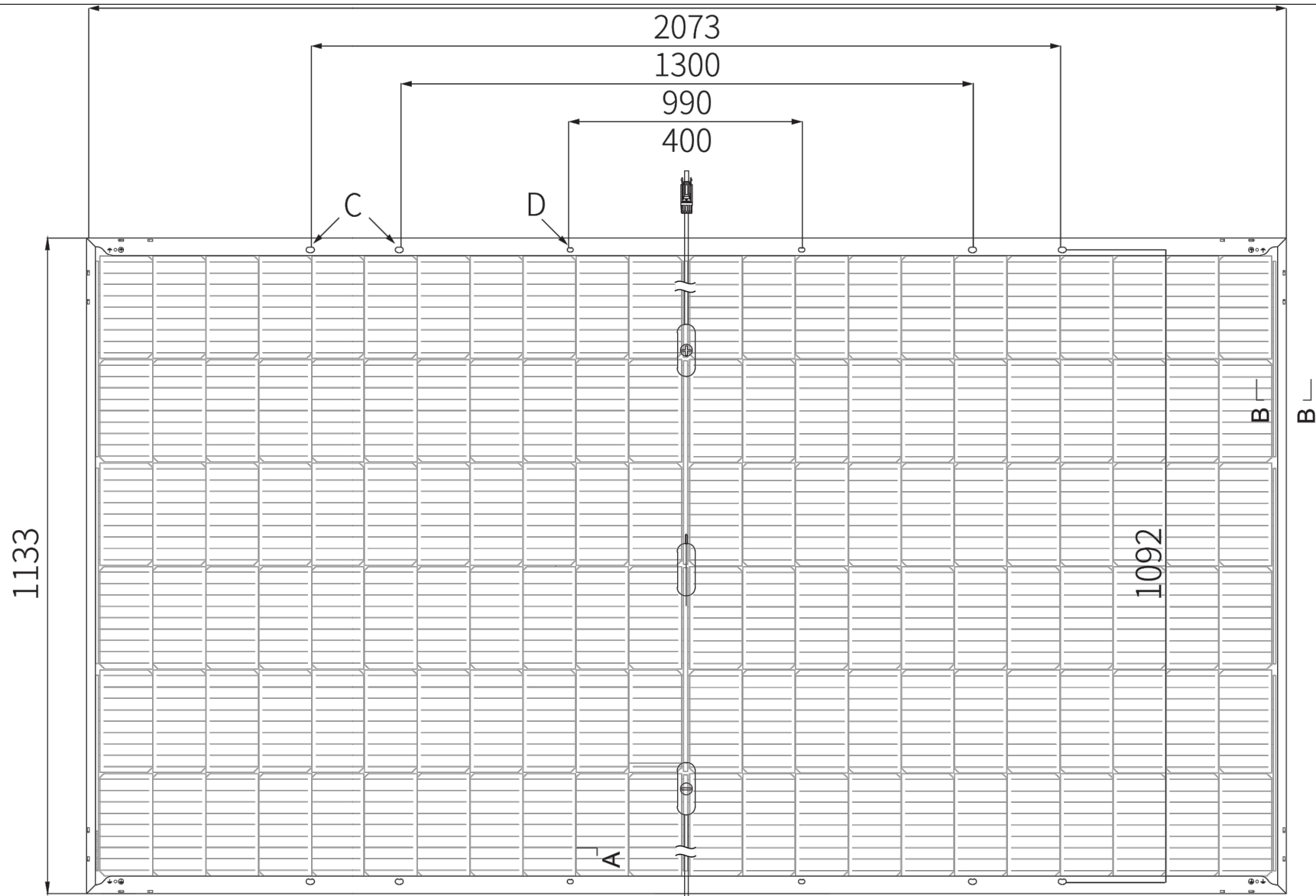
Cell: 328.3603509

e-mail: i.fonseca@pvk-srl.it



Tecnico esterno:

DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO
maggio 2022	VIA Nazionale-Prima emissione	PVK	I.Fonseca	Solarpower



Quote in mm
SCALA 1:10

CARATTERISTICHE TECNICHE

LR5-66HBD 475~500M

21.3%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

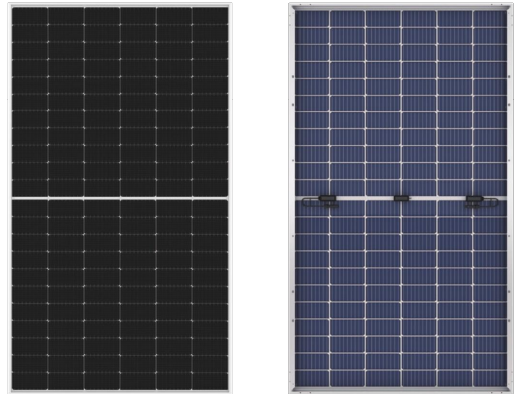
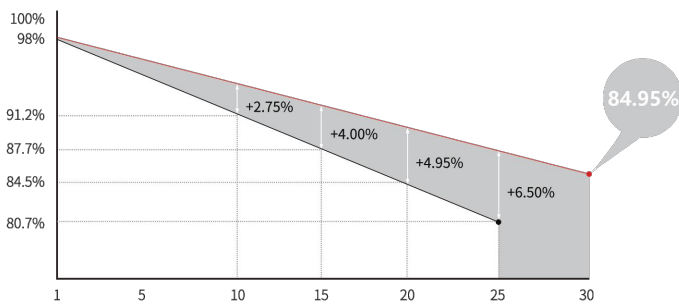
<2%
FIRST YEAR
POWER DEGRADATION

0.45%
YEAR 2-30
POWER DEGRADATION

HALF-CELL
Lower operating temperature

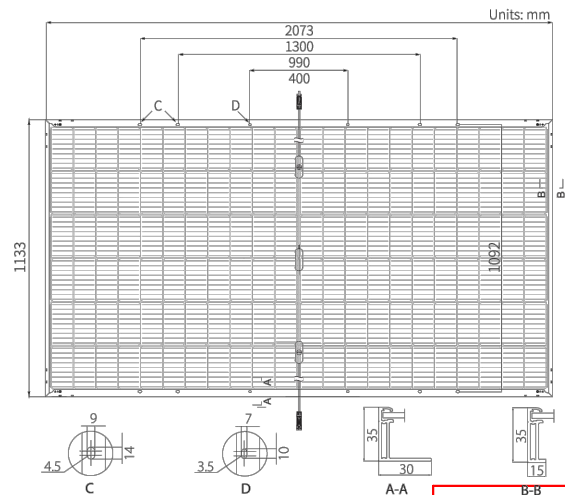
Additional Value

30-Year Power Warranty



Mechanical Parameters

Cell Orientation	132 (6×22)
Junction Box	IP68, three diodes
Output Cable	4mm ² , positive 400mm / negative 200mm length can be customized
Glass	Dual glass, 2.0mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	30.6kg
Dimension	2073×1133×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 682pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax: ±3%

	475	480	485	490	495	500
Power Class	475	480	485	490	495	500
Maximum Power (Pmax/W)	475	480	485	490	495	500
Open Circuit Voltage (Voc/V)	44.80	44.95	45.10	45.25	45.40	45.55
Short Circuit Current (Isc/A)	13.51	13.59	13.67	13.74	13.82	13.90
Voltage at Maximum Power (Vmp/V)	37.63	37.78	37.93	38.08	38.23	38.38
Current at Maximum Power (Imp/A)	12.63	12.71	12.79	12.87	12.95	13.03
Module Efficiency(%)	20.2	20.4	20.6	20.9	21.1	21.3

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 29
Bifaciality	70±5%

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.284%/°C
Temperature Coefficient of Pmax	-0.350%/°C