SCHEDA TECNICA MODULI CE-550HM72

BIFACIAL DUAL GLASS PV MODULE

CE-530/535/540/545/550HM72

Higher Efficiency
Modules made with bifacial solar cells. Increase total power output generation from front and back side

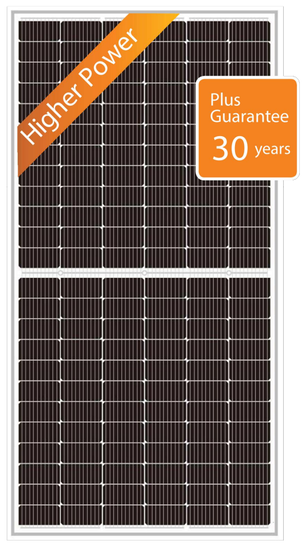
High Reliability
Superior craftsmanship, engineering excellence, and attention to the finest detail ensure longevity and optimal performance.

High Return on Investment
0.45% annual degradation, 30 year linear warranty, more output.
Higher maximum system voltage reduces BOS costs.

Extremely Environmental Testing
Remain peak performance in extreme environments.
Class A fireproofing rating.

Strength and Durability
Certified for 5400Pa snow and 2400Pa loads test.
Passed hail test with 35mm hail stones at 97 km/h.

PID Free
Certified for Anti-PID under 85 degrees Celsius, 85% RH for 288 hours.



Centro Energy Electric Quality

For more than 10 years, we have been perfecting our PV modules to bring you the highest quality products possible.

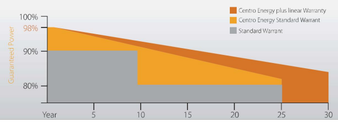
- Automated cell and module production lines ensure consistently high quality in every module.
- Each cell and module flash tested to ensure rated level of output.
- Aesthetically pleasing black frame and cells.
- Lead-free solder protects health and the environment.

System Certification

ISO 9001: 2015
ISO 14001:2015

Authorised Photovoltaic Certificates

30 Years Performance Warranty



BIFACIAL DUAL GLASS PV MODULE

CE-530/535/540/545/550HM72

Electrical Data (at STC)

	CE-530HM72	CE-535HM72	CE-540HM72	CE-545HM72	CE-550HM72
Max. power (Pmax) [W]	530	535	540	545	550
Max. power voltage (Vmp) [V]	41.39	41.57	41.75	41.87	42.05
Max. power current (Imp) [A]	12.81	12.87	12.94	13.02	13.08
Open circuit voltage (Voc) [V]	49.24	49.39	49.54	49.69	49.88
Short circuit current (Isc) [A]	13.76	13.83	13.89	13.96	14.01
Maximum Series Fuse Rating	25	25	25	25	25
Power tolerance [W]	0/+5	0/+5	0/+5	0/+5	0/+5
Max. system voltage [V]	1500	1500	1500	1500	1500
Solar panel efficiency [%]	20.5	20.7	20.9	21.1	21.3

Note: Standard Test Conditions: Air mass 1.5; Irradiance = 1000W/m²; cell temp. 25℃

Temperature characteristics

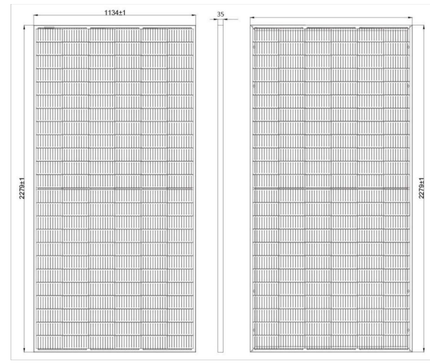
Temperature (NOCT) [℃]	45±2
Temp. coefficient of Pmax [%/℃]	-0.350
Temp. coefficient of Voc [V/℃]	-0.270
Temp. coefficient of Isc [mA/℃]	0.048

Mechanical Data

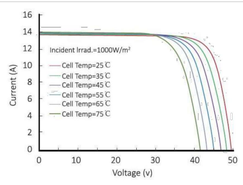
Dimension	2279x1134x35mm
Weight	27.2Kg
Solar cell	Mono-crystalline 144 (6 x 24)
Glass	3.2mm, Coated Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm², 350mm, length can be customized
Connector	MC4 Compatible

Warranty

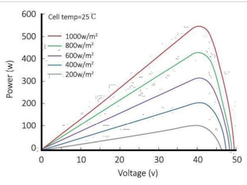
12 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



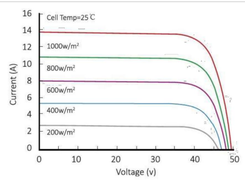
Current-Voltage Curve (CE-530HM72)



Power-Voltage Curve (CE-530HM72)



Current-Voltage Curve (CE-530HM72)



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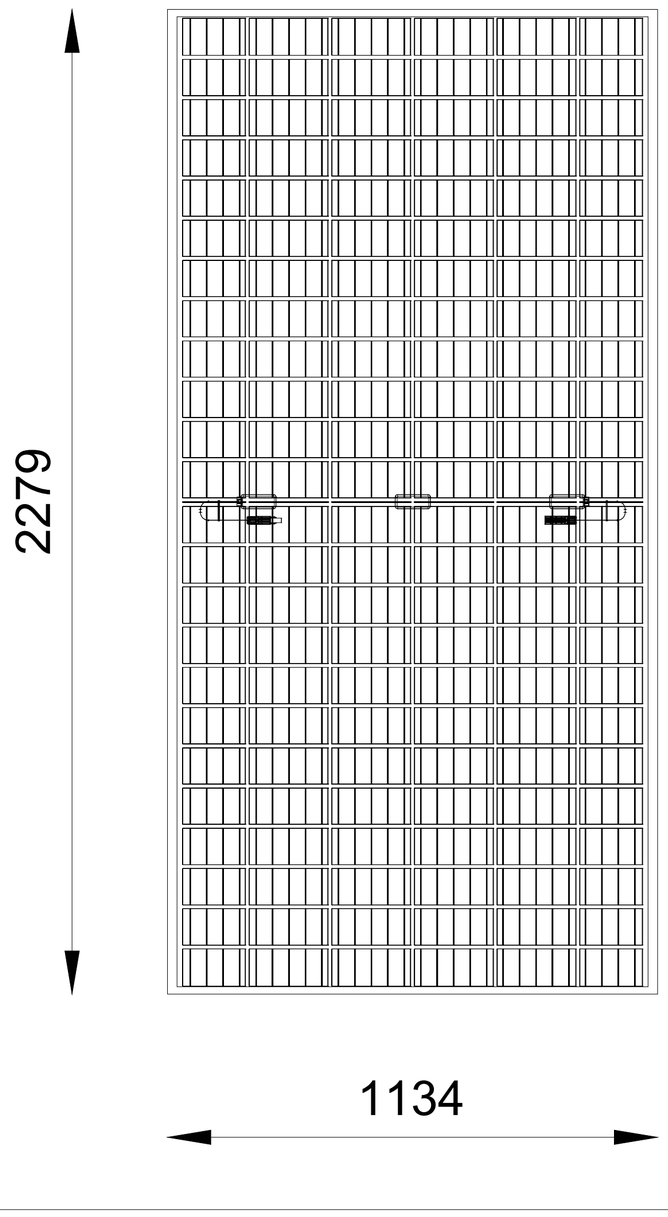
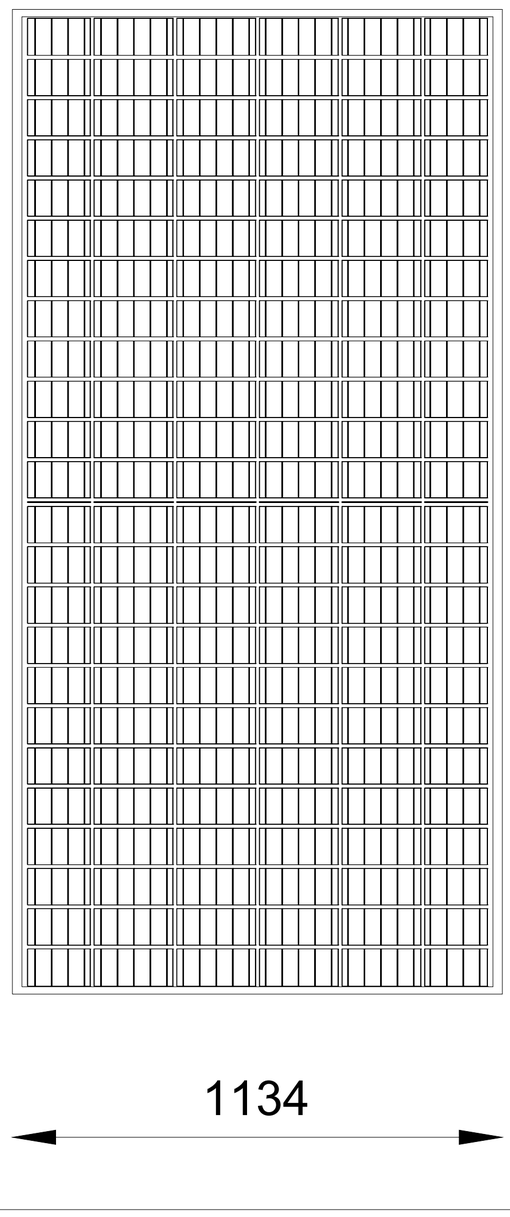
VISTA POSTERIORE



VISTA FRONTALE



CATALDO
ROCCO
ROMEO
13.10.2021
15:23:58
GMT+01:00

REGIONE BASILICATA
Comune di Pomarico (MT)

Progetto integrato agrivoltaico denominato “MASSERIA GLIONNA”: riattivazione di una azienda zootecnica dismessa e realizzazione di una centrale fotovoltaica di potenza nominale pari a 19,9980 MW con le relative opere connesse ed infrastrutture indispensabili MW

Tavola:	Elaborato:	Scala:
A.12.b.3.	Schemi funzionali dei singoli pannelli	-

PROPONENTE:

FOTOVOLTAICA SRL

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REVISIONI

REV.	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO
00	14/01/2021	EMISSIONE	Ing. Francesco Giovinazzo	Ing. Francesco Giovinazzo	Ing. Cataldo Rocco Romeo

SPAZIO RISERVATO AGLI ENTI:

PROGETTISTA:

ING. CATALDO ROCCO ROMEO

ORDINE INGEGNERI COSENZA
ROMEO CATALDO R.
Sezione A n. 1471