

PROGETTO DELLA CENTRALE SOLARE "SOLAR HILLS"

da 85,12 MWp - Manciano (GR)

REGIONE
TOSCANA



D-14

PROGETTO DEFINITIVO

SCHEMA TECNICA MODULI FOTOVOLTAICI



Proponente

MAAG ULIVO S.R.L.

Via E. Maragliano, 43 - 00151 (RM)



Investitore agricolo superintensivo

OXY CAPITAL ADVISOR S.R.L.

Via A. Bertani, 6 - 20154 (MI)



Progetto dell'inserimento paesaggistico e mitigazione

Progettista: Agr. Fabrizio Cembalo Sambiasi, Arch. Alessandro Visalli

Collaboratori: Urb. Patrizia Ruggiero, Arch. Anna Manzo, Agr. Giuseppe Maria Massa

studio di architettura del paesaggio

Progettazione elettrica e civile

Progettista: Ing. Rolando Roberto, Ing. Giselle Roberto

Collaboratori: Ing. Marco Balzano, Ing. Simone Bonacini



AEDES GROUP
ENGINEERING

Progettazione oliveto superintensivo



**MARE
RINNOVABILI**

Consulenza geologia

Geol. Gaetano Ciccarelli

Consulenza archeologia

Apoikia S.R.L.

Via Sant'Anna dei Lombardi, 16 - 80134 (NA)



05 ● 2023

rev	descrizione	formato	elaborazione	controllo	approvazione
00	Prima consegna	A4	Rolando Roberto	Giselle Roberto	Rolando Roberto
01					
02					
03					
04					
05					
06					
07					



TOPBiHiKu7

N-type TOPCon Bifacial 210 Cell Modules

Module power
up to

695W

Module efficiency
up to

22.4%

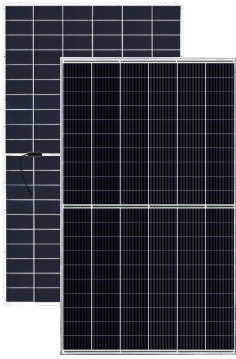
1st year power
degradation \leq

1%

Power performance
warranty

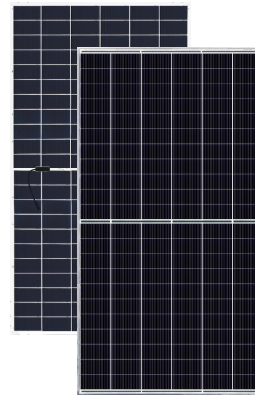
30 Years

Canadian Solar TOPCon Bifacial 210 Cell Modules



615~635W

Bifacial CS7L-TB-AG
2172 × 1303 × 33 mm



675~695W

Bifacial CS7N-TB-AG
2384 × 1303 × 33 mm

FEATURES



Higher Power

Module power up to 695W
Module efficiency up to 22.4%



Less Degradation

No Boron-oxygen LID (Light Induced Degradation)
Anti PID (Potential Induced Degradation)



Lower Temperature Coefficient

Lower temperature coefficient (Pmax): -0.30%/°C
Increase energy yield in hot climate



18BB Cell Technology

Minimize micro-crack impacts
Reduce resistance loss, and improve current collection



Enhanced Mechanical Loads

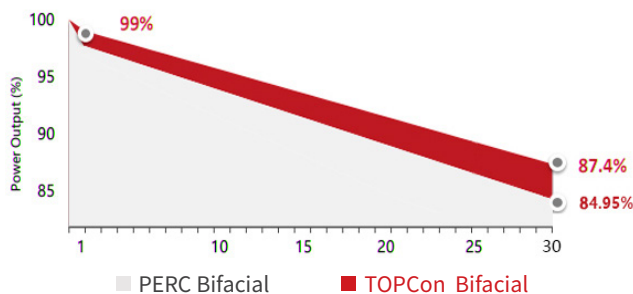
Snow load up to 5,400Pa
Wind load up to 2,400Pa



High Investment IRR

More energy yield
Less BOS and lower LCOE

MODULE WARRANTY



12
years*

Enhanced product warranty on materials and workmanship

30
years*

Linear power performance warranty

*1st year power degradation no more than 1%
subsequent annual power degradation no more than 0.4%

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015
Quality management system

ISO 14001:2015
Standards for environmental management system

ISO 45001: 2018
International standards for occupational health & safety

IEC 62941: 2019
Quality system for PV module manufacturing

PRODUCT CERTIFICATES

IEC 61215 / IEC 61730 / CE / INMETRO / MCS / UKCA / CGC
UL 61730 / IEC 61701 / IEC 62716 / IEC 60068-2-68
Take-e-way

