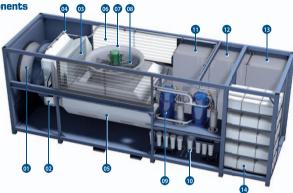


WMS-30kW Solar Panel: Water device designed for sunny areas

Always at the forefront of innovation, Eole Water has developed a reliable and efficient solution to a growing demand: a water production device operating with solar energy. The WMS-30kW Solar Panel has been designed with this ambition: to produce water just from the sun. No electrical grid is needed: it is the most suitable technology for areas whose main resource is the natural and constant exposure to the sun but that are suffering of water scarcity. Operating with a clean energy source, the WMS-30kW Solar Panel is fully self-sufficient. It can be installed anywhere. thanks to its 20' container size, and its components have been selected to ease its maintenance.

General components

- 01 Heat exchanger air extractor
- 02 Heat exchanger
- 03 Air flow regulator
- 04 Heat exchanger
- self-deaning system 05 • Water collector
- 06 . Sandstorms shutters
- 07 Humidity condenser air blower
- 08 Humidity condenser
- 09 Cooling compressors
- 10 · Water filters
- 11 . Control unit
- 12 Inverters
- 13 Power unit
- 14 . Ratteries



Technical Specifications

GENERAL

Rated power Dimensions Weight Solar MPPT

Input current range

Input voltage range **Battery pack** Backup generator Sound level

CONTROL & MONITORING

Monitoring Communication Human/Machine Interface Programmable Logic Controller GSM data transmission or 3G broadband Touch screen - data archiving

35 kWp at 1000 W/m2

6 000 ka P&O technology implemented

0-80 A

50 - 700 VDC

620 V / 100 Ah

60 kVA (option)

65 dB(A) at 5 m

6 m (L) x 2 m (W) x 2 m (H)

WATER PRODUCTION IN VARIOUS CONDITIONS

Conditions	Production'
25°C -60% HR	393 I/day
30°C - 70% HR	500 l/day
25°C - 40% HR	257 l/day
35°C - 30% HR	250 l/day
	25°C - 60% HR 30°C - 70% HR 25°C - 40% HR

SYSTEM DESCRIPTION

Compressor unit Refrigerant gas

Air flow generator

Humidity condenser

Heat exchanger

Regulation

2 x 15 kW SCROLL R410A (CEC ERFF)

2 x 15000 m³/h

Food safe stainless steel

Anti corrosion treated aluminum and copper

Programmable Logic Controller Electronically driven expansion

Water treatment Filtration 10 µ

Carbon block filtration 1 u Ultra filtration 0.005 µ Ultraviolet treatment Mineralization cartridge Water pressure booster unit