

WATERBOX

The **WATER**BOX is the solution for the simplest installation of a water pumping system powered by solar: the smart solution to enable any user to build it anywhere this may be required. **It's all inside one box!**

PERFECT FOR EVERYBODY:

END USERS

The **WATER**BOX is optimal for all the people who needs a fast, easy and high quality water pumping system and has no time or experience to choose the right components.

BUSINESS USERS

The **WATER**BOX is the best choice for distributors and installers because, although it's composed by several products, studied to fit perfectly one with the other, it is purchasable by a single ordering code. It facilitates the purchasing process and the stock management.

WHY IS IT EASY?

All the parts are already pre-assembled and the **WATER**BOX contains all detailed and illustrated instructions to guide the installers through the process.

HIGH QUALITY COMPONENTS:

The pumping unit

The submersible pumping unit is multisource* and all-in-one. It includes the centrifugal or helical pump, the motor and the inverter.

Each component of the pumping unit has been developed to be easily used and to be free of maintenance**. Only stainless steel AISI 304 for maximum durability.

- Water rotor motor conceived with respect for the environment.
- Built in inverter for a maintenance free system even in situations of temperature fluctuations.
- High water flow performance ratio.
- Developed and made completely in Vicenza (Italy).

Photovoltaic modules

- Designed specifically for pumps. We apply solar modules with the right output voltage and current to work in perfect harmony with our multisource pumps.
- Strong alloy profiles for high mechanical resistance and tempered, shock resistant glass.
- Dimensions and weight designed for easy transport.

Mounting system*

Ground mount frames for solar installations which could be settled in with just an hammer. No need for any machinery, special tools or any special ballast against high winds.

The mounting systems can withstand wind speeds of up to 160 km/h and it can be fully assembled by two persons in less than 2 hours.

Needed accessories are all included

Inside the **WATER**BOX you will find all the tools and accessories necessary to assemble the system

Safe box

Pallet certified for exportation, and strong boxes, 1700 BFSV, suitable for sea freight.

SIZED MEASURES FOR STOCKING ON CONTAINERS:

WATERBOX SMALL

size $1.100 \times 200 \times 1.120$ (h) mm Can be packed alone, in 3 or in 6 units in a single pallet. Max 108 in a 20 feet container Max 228 in a 40 feet container

WATERBOX MEDIUM and LARGE

size 1.150 x 610 x 2000 (h) mm for sea freight size 2.000 x 610 x 1.150 (h) mm for air freight Max 18 in a 20 feet container
Max 38 in a 40 feet container





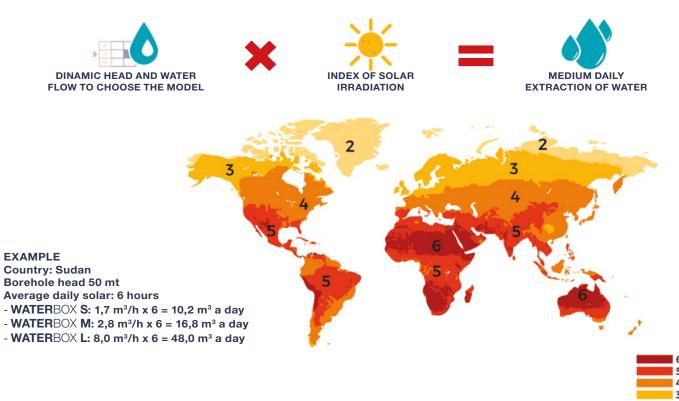
HOW MUCH WATER DO YOU

A WATERBOX for every need.

Based on the depth of the well and the water flow in cubic meters.

	S	6	M WATERBOX	6	L WATERBOX	6
HEAD	MODEL	FLOW	MODEL	FLOW	MODEL	FLOW
- 10 mt	WATERBOX S	5,5 m³/h		11 m³/h		15 m³/h
- 20 mt	06/04	3 m³/h	WATERBOX M	10 m³/h		13 m³/h
- 30 mt		2,5 m³/h	08/03	8 m³/h	WATERBOX L	11 m³/h
- 40 mt	WATERBOX S	2 m³/h		6 m³/h	08/05	9,5 m³/h
- 50 mt	02/01	1,7 m³/h		2,8 m³/h		8 m³/h
- 60 mt		1,3 m³/h		2,8 m³/h		7 m³/h
- 70 mt	8	8	WATERBOX M	2,8 m³/h		5,5 m³/h
- 80 mt	8	8	02/02	2,7 m ³ /h		5 m³/h
- 90 mt	8	8		2,4 m³/h	WATER BOX L 05/08	4,5 m³/h
- 100 mt	8	8		2 m³/h		4 m³/h
- 110 mt	8	8	8	8		3 m³/h
- 120 mt	8	8	8	8		1,8 m³/h
- 140 mt	8	8	8	8	WATER BOX L 02/08	1,4 m³/h
- 160 mt	8	8	8	8		1 m³/h

CALCULATE MEDIUM DAILY EXTRACTION OF WATER.





WATERBOX	SMALL		MEDIUM		LARGE		
Model	02/01	06/04	02/02	08/03	02/08	05/08	08/05
Warranty Complete System 2 Years	Ø						
All components Made in Italy	0	0	Ø	Ø	Ø	Ø	Ø

PUMP							
Pump Model	NERA 02/01 H	NERA 06/04	4 HS 02/02 H MP	4 HS 08/03 MP	4 HS 02/08 MP	4 HS 05/08 MP	4 HS 08/05 MP
Voltage	70-190 VDC	70-190 VDC	90 - 400 VDC 90 - 265 VAC		90 - 400 VDC 90 - 265 VAC		
P1 (W)	80	00	1300	1800	3500 3000		00
Pump Size 4"	4	."	4	,,		4"	
Pump Delivery	1 1/4"	1 1/2"	1 1/4"	1 1/2"	1 1/4"	1 1	/2"
Weight Kg	11	9	20.5	20	23 2		22
Centrifugal Pump	8	Ø	8	Ø	Ø	Ø	Ø
Helical Pump	0	8	Ø	8	•		
Permanents Magnets Motor	Ø	Ø	Ø	Ø	8	Ø	Ø
TDH m/max	60	30	100	45	160	110	75
Max flow m ³ /h	3	8,2	3	10,5	3,3	7,5	10,5
Body	AISI	304	AISI 304		AISI 304		
Helical Stator and Impellers material	AISI	304	AISI 304		AISI 304		
Multisourcing AC/DC	only	DC	Ø	Ø	Ø	Ø	Ø
Inverter on Board	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Over current protection	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Over temperature protection	0	Ø	Ø	Ø	0	Ø	Ø
Lack of water protection	0	Ø	Ø	Ø	Ø	Ø	Ø
Max water temperature	35°C (92°F)		35°C (92°F)		35°C (92°F)		
Max sand content in the water	50 g	ır/m³	50 gr/m³ 50 gr/m³				

MODULES								
Number of modules	4		4	6	10			
Pmax(W) each module	100		250		250			
Noct	46°C		45+/- 2°C		45+/- 2°C			
Туре	poly		poly		poly			
IEC 61215 - EN 61730	0 0		Ø	0	Ø	Ø	Ø	
Tickness of the glass	3,2 mm		4 mm		4 mm			
Max Load	5400 Pa		5400 Pa		5400 Pa			

ACCESSORIES								
Cabinet AC/DC IP65	only DC		Ø	Ø	Ø	Ø	Ø	
Solar Modules ground mounting system	8	8	0	Ø	0	Ø	Ø	
Waterproof Connection	not necessary		Ø	Ø	Ø	Ø	Ø	
Solar Cable 4 mm Red	15 m		15 m		15 m			
Solar Cable 4 mm Black	15 m		15 m		15 m			
Clean Cable m	70	40	100	70	160	100	70	
Polyester Rope	70	40	100	70	160	100	70	
Solar Connector MCIV	3 m + 3 f		2 m +2 f		4 m + 4 f			
Joint for pump/pipe	ø 40 mm ø 50 mm		ø 40 mm	ø 50 mm	ø 40 mm	ø 50	mm	
Instruction Manual	Ø	O	Ø	Ø	Ø	Ø	Ø	

PACKAGING PACKAGING									
Box dimensions for sea freight (mm) 1100x200x1120 (h) 1150x610x2000 (h) 1150x610x2000 (h)									
Box dimensions for air freight (mm)	1100x200x1120 (h)	2000x610x1150 (h)		2000x610x1150 (h)					
Total Weight kg	83	210	250	370					







WATERBOX EASY TO INSTALL

















WATER BOX



WATERBOX MEDIUM and LARGE



WATERBOX MEDIUM and LARGE



WATERBOX SMALL

