

BOLAR PUMPING S

NEPTUNE

Istar Solar ® pumping system NEPTUNE™is a complete and stand-alone system capable of pumping ground-water directly where needed, by means of photovoltaic modules and a special submersible pump suitable for heads from 0 to 150 meters.

Our system has a small and high efficiency stainless steel pump and it has been properly designed for DC functioning. The inside of this pump, where the opposed sealed pistons engine is placed, is completely sealed and waterproof.

The dimensions of the pump are: diameter 98 mm, length 760 mm and weight about 13 kg. It is fitted also with a rapid coupling suitable for use with **25mm** polyethylene feed pipe.

NEPTUNE ™ system, both 24 and 48 volts, has been studied to obtain the best performances for capacities ranging from 1.100 to **8.600** litres/day, accordingly to the depth of installation and the cam requested: 2-2,6-3 mm.

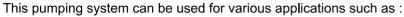
Istar Solar can supply two different systems:

NEPTUNE[™] system constituted by:

- 2 modules IS90P 90Wp 12V each;
- 1 submersible pump with 2mm cam;
- 1 electronic pump controller.

NEPTUNE™ *Plus* in case of low heads and high capacities, costituted by:

- 4 modules IS90P 90Wp 12V each;
- 1 submersible pump with 2 2,6 3mm cam;
- 1 electronic pump controller.



- Supply of water for cattle and animal, in remote areas
- Private farms and ranches
- Governmental wildlife parks
- Remote residences for drinking water supply
- Village water supply for under developing countries
- and many others more.....





Performances of Neptune™ system and Neptune™ system Plus								
Туре	Cam	N.Modules/Wp	0 mt	25 mt	Head 50 mt	75 mt	100 mt	150 mt
	mm		Lt/Day 3.400	Lt/Day 2.200	Lt/Day 1.600	Lt/Day 1.100	Lt/Day	Lt/Day
Neptune	2	2 x 90Wp	(360Lt/h)	(280Lt/h)	(230Lt/h)	(200Lt/h)		
Neptune <i>Plus 20</i>	2	4 x 90Wp	6.500 (650Lt/h)	3.600 (500Lt/h)	3.000 (440Lt/h)	2.700 (390Lt/h)	2.200 (330Lt/h)	1.400 (230Lt/h)
Neptune Plus 26	2,6	4 x 90Wp	7.900 (880Lt/h)	4.800 (650Lt/h)	3.500 (540Lt/h)	2.600 (370Lt/h)		
Neptune <i>Plus 30</i>	3	4 x 90Wp	8.600 (950Lt/h)	5.600 (750Lt/h)	4.300 (650Lt/h)			

Istar Solar® reserves the right to change the features of systems without notice