THE ECONOMICAL

"ECO" SOLAR PUMP SYSTEM

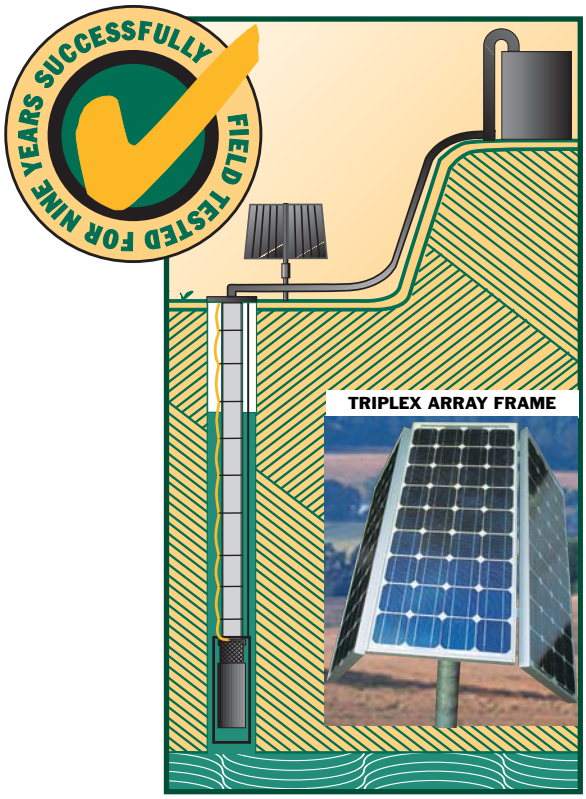
The "ECO" Solar Pump is an economical solution to low water pumping.

The **"ECO" SOLAR PUMP** is a diaphragm pump designed especially for low volume bore-hole applications. They are highly efficient - operating on voltages between 12 and 30 volts DC.

The **"ECO" SOLAR PUMP** has 2 varieties to suit your situation. The Quad ("Q") series will fit down 5" bore casing, and the Duplex ("D") series will fit down a 4" casing.

The **"ECO" SOLAR PUMP** can easily be floated in a dam or soak

FEATURES	YOUR BENEFITS...
NON-CORROSIVE COMPONENTS	● Long life ● Low maintenance ● Extended pump life
AFFORDABLE	● Save by choosing an efficient pump that is tailored for your needs.
POSITIVE DISPLACEMENT PUMP	● High efficiency ● More water for dollars spent
CONTROLLER	● Improves low light performance ● Voltage limiting
CONTROLLER OPTIONS (optional)	● Depth sensing turns pump off when water level is low ● Pressure switch for remote control ● Float switch for tank, saves wasting water
SHROUD (optional)	● Reduces sand damage
POLE MOUNT	● Electrical components protected from weather ● Easy installation- The module array is fully assembled, prewired, and tested so all you need to do is concrete the post into position.
TWIN OR TRIPLEX ARRAY SYSTEMS (system option)	● You have a choice of a standard flat solar panel array (Twin) or a special Triplex fixed panel array (3 panels at different angles) which gives tracking performance.



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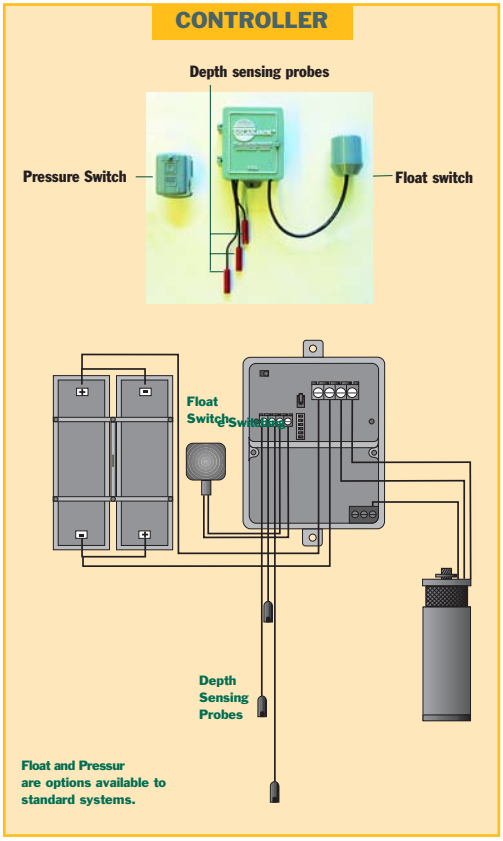
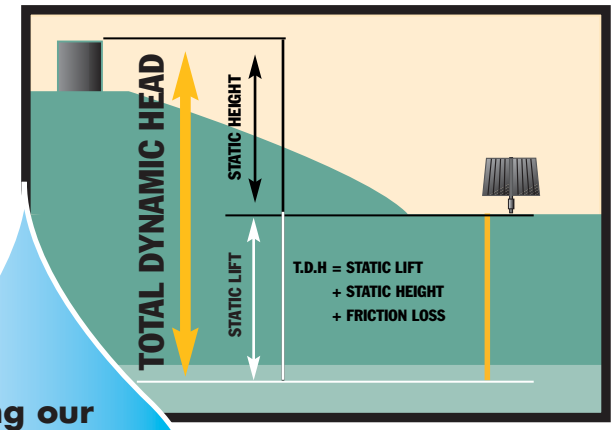
(Based on 6 peak sun hours per day)

TOTAL DYNAMIC HEAD	"ECO" BORE-HOLE PUMPING SYSTEM					
	PUMPING PERFORMANCE (litres per day)					
	Twin Array			Triplex Array		
METERS	SDS-D-128	SDS-D-228	SDS-Q-128	SDS-D-128	SDS-D-228	SDS-Q-128
0						
5	2630	1760	4860	3500	2350	6480
10	2450	1660	4680	3260	2210	6240
15	2340	1580	4320	3120	2110	5760
20	2270	1510	3960	3020	2020	5280
25	2190	1440	3060	2930	1920	4080
30	2120	1400	2740	2830	1870	3650
35	2090	1370		2780	1820	
40		1300			1730	
45		1260			1680	
50		1220			1630	
55						
60		1190			1580	
65						



HOW TO CHOOSE YOUR OWN SYSTEM...



To choose the right **'ECO' SOLAR PUMP** system components you need to first calculate your 'TOTAL DYNAMIC HEAD' (T.D.H).

Total Dynamic Head is calculated by adding together the Static Lift (from the ground level at the Solar Array, to the low water level), the Static Height (from ground level at the Solar Array to the delivery Tank), and Friction Loss (the resistance to water flow expressed as height) in the delivery pipeline.
Using the table top left, you can determine the right system by matching your Total Dynamic Head with the required pumping performance.

Ring our exprienced team for specific information or a FREE on site visit.