



ACDC Solar Hybrid Pumps – more power for more demanding conditions

ACDC HYBRID PACKAGE

10 x 275W polycrystalline solar panels | 4" AC/DC motor with
3m power cable and choice of pump end | DC Isolator switch |
Auto switch box | 10m and 40m Water Sensor | 2 x MC4 cables



**Tuhorse ACDC Hybrid Pumps are
engineered for more demanding
conditions and higher flow rates.**

Compliant with Australian Standards,
ACDC Hybrid Pumps come with an in-
built converter and various pump ends
to choose from – depending on your
setup and flow requirements.

For more information, please check out
the pump comparison chart on the next
page, or call the office on **02 8005 2823**.

FLOW DATA:

- Max head: Up to 190 metres max TDH
- Max flow: Up to 200 Litres/Minute

SPECIFICATIONS

Power	3 HP
Motor	2200 kW
Max Voc	440 Voc (Input)

INPUT VOLTAGE

AC	90–240V / 50Hz
DC	60–380V-DC

FEATURES

High-quality graphite thrust bearing assembly
Permanent magnet brushless double shield DC motor
In-built auto AC/DC switching controller
Soft start operation for both AC and DC power supply
Maximum Power Point Tracking (MPPT) for DC power
Field Oriented Control (FOC) for improved performance on AC power
Control of tank and bore water levels via sensors

ACCESSORIES – Get more out of your pump with these add-ons



Bore caps

Seals the bore hole and
provides protection against
weather, debris, and damage.



Pressure Switch

Used with a float valve to
automatically switch the
pump off when tank is full.



Sacrificial Anode

Protects the pump from
corrosion in hard or mineral-
rich water, extending the
lifespan of the pump.



Dam Floats

Fit for dams and wells to
allow the pump to float
and pump water effectively.



With the ability to switch between AC and DC power automatically, our AC/DC pumps can be combined with various pump ends to customise a solution to your water requirements and infrastructure.

Item Code	4H2200/ 2750-BF11	4H2200/ 2750-19/90	4H2200/2750 ST6/144	4H2200/ 2750-14/165	4H2200/ 2750-A16
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Pump End	BF-11	19/90	ST6/144	14/165	A-16
Motor	2200W	2200W	2200W	2200W	2200W
240v Compatability	Yes – In-built	Yes – In-built	Yes – In-built	Yes – In-built	Yes – In-built
Diameter	4"	4"	4"	4"	4"
Outlet	1.25"	2"	2"	1.25"	1.25"
Panels	10 x 275W	10 x 275W	10 x 275W	10 x 275W	10 x 275W
Watts from Panels	2750W	2750W	2750W	2750W	2750W
Control Board	Switchbox	Switchbox	Switchbox	Switchbox	Switchbox
Input Max Open Circuit Voltage (Voc)	440Voc	440Voc	440Voc	440Voc	440Voc
Suitable TDH	10–80m	10–90m	10–120m	10–140m	10–190m
Max Flow (Litres/hour)	8,400 L/hr	12,200 L/hr	6,000 L/hr	9,000 L/hr	5,100 L/hr
Max Head (m)	80	90	120	150	190

Head Level (m)	Flowrate (Q) = Litres/minute				
10	140	204	100	151	85
20	140	177	100	140	85
30	140	144	92	127	85
40	135	105	85	111	85
50	120	74	77	95	85
60	100	53	70	78	80
70	80	36	65	60	75
80	60	22	60	50	72
90	x	6	53	41	69
100	x	x	46	32	65
110	x	x	39	27	60
120	x	x	20	21	54
130	x	x	x	16	49
140	x	x	x	11	43
150	x	x	x	8	42
160	x	x	x	x	41
170	x	x	x	x	40
180	x	x	x	x	32
190	x	x	x	x	28
200	x	x	x	x	x