



We custom design for you

Need water for Stock water, irrigation & domestic ?



Solar pumps the economical solution
For free quote call 03 318 1333 now

Frizzell Ltd: 111 Tramway Road Kirwee. P.O Box 32, Kirwee 7543 Phone: 03-3181-333
email: info@frizzell.co.nz Web: www.frizzell.co.nz



Designed & Assembled in NZ

Why Solar Pumps:

Over the last five years the cost of Frizzell solar pumps has reduced as the cost of solar panels has come down and our controllers have become more efficient. Solar pumps have a number advantages compared to pumps powered by mains supply, petrol or diesel motors, including lower installation costs, lower running costs, automatic operation, and lower labour costs. Frizzell’s range of solar pumps will economically meet all of your water requirements.

Frizzell is the largest specialist supplier of solar pump systems in the country.

Cost comparison for a 3kW Pump System

Pump type:	Cost	Interest	Depreciation	Running cost ¹	Total annual cost
Petrol	\$1,800 ²	\$187	\$780	\$4,950	\$5,917
Diesel	\$4,600 ²	\$478	\$1196	\$2,156	\$3,830
Mains	\$20,000 ³	\$2080	\$1,300	\$1,485	\$4,865
Frizzell Solar	\$19,140	\$1,508	\$942	\$0	\$2450

1 Based on 1,500 hrs/year. 2 Commercial pump price.

3 For a pump 40 m from the mains, including transformer.

Interest at 8%. Depreciation—Petrol 3yrs, Diesel 5yrs, Solar 20 yrs.

Biggest range — Best price: Call or email for a free quote

Solar pump FAQ's:

Do solar pumps need batteries ?: Most of our solar pumps do not need batteries. A typical stock water system will consist of solar panels, control equipment and the pump. It is more efficient to run the pump directly from energy supplied by the panels. In a stock water system pumping to a tank and then gravity feeding troughs is normally more economical than using batteries.

Will solar pumps work in the rain?: Modern polycrystalline panels are efficient at capturing the energy from low light levels. Our systems also use mppt controllers. The controllers continuously monitor the energy produced from the panels and change the speed of the pump to use the solar energy most efficiently.

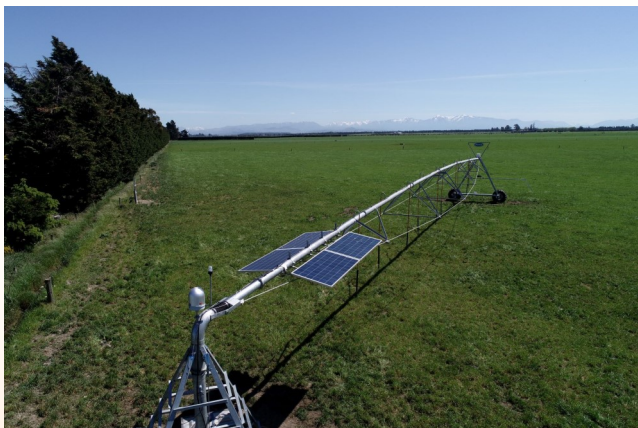


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Typical system prices: (excl GST)

Daily volume (L)	Height (m)	Cost
4,000	10	\$985
1,000	20	\$1,321
50,000	3	\$1,980
2,700	20	\$2,700
4,000	70	\$5,500
20,000	45	\$8,077
48,000	90	\$19,140

New Solar pivot systems, irrigate economically with Solar. Frizzell have developed technology to run pivots without the hassle of mains/ fuel



power allowing access to areas once deemed to expensive to irrigate. You will be surprised at how easy, efficient and cost effective it really is. For more information call us today

Crates, Platforms, Scales and more.....

What ever your weighing needs we have the solution, Frizzell pride themselves on manufacturing reliable 'Kiwi Tough' gear to handle your tasks. From livestock, horticulture, silo scales, truck scales, weighbridges through to your shop scales we have done it all. Custom builds are welcome, check out our great range on our website listed below.



Weighing, Solar, Irrigation

Electronic Scales

- FS750 Scales (750 kg Display & Load Beams)
- FS1500 Scales (1.5 T display & Load Beams)
- FS5000 Scales (5 T Capacity)
- Mini EID Reader
- Stick Reader

Price (excl GST)

- \$995
- \$1100
- \$1480
- \$395
- \$1200



Heavy Duty Truck Weighbridges

from \$5,800

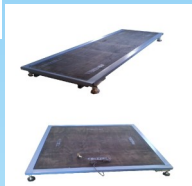
Truck Weighbridge Certified from
Portable Weighbridge from

\$8,500
\$32,000



Crates and Platforms:

- Sheep Crate Weighing and Three-way drafter. \$1150
- Calf Debudding & Weigh Crate \$1350
- Yearling cattle weigh Crate \$2845
- 1800 X 600 or 1200 X 1200 Platform \$420
- 2000 X 1000 Horse Platform \$520
- 1200 x 1200 Platform for FS5000 scales \$520
- Rubber Mat for Platform 1800 x 600 \$200



Irrigation Management:

- Well Water Depth Measure: 50metre: \$360, 100m: \$395, 150m: \$435 200m: \$475
- Soil Temperature Thermometer: \$29
- Soil Moisture Probe: \$495



Solar Battery Chargers

(Chargers include 12v. Regulator, battery clips, brackets etc.)

- 10 Watt: \$118 20 Watt: \$165 50 Watt: \$240 100 Watt: \$380 250 Watt: \$500
- (Enquire for bare solar panels prices.)

Solar Powered Stock Crossing Warning Light \$475.00

