

**LORENTZ** 

**PRODUCT GUIDE**

# *Ultimate Efficiency*

**PS2 & PSK2 Solar Pump Range**

[lorentz.com.au](http://lorentz.com.au)

# **We are 100% focused on Solar Water Pumping.**

## **German engineering, for Australian conditions.**

At the heart of Lorentz Australia are our experienced dealer network, who ensure expert knowledge and local reliable support for any product we sell.

Our highly skilled network of installers and service technicians are trained professionals with extensive experience in installing and monitoring Lorentz products.

## **We're confident our Lorentz Solar Pumps are durable and reliable.**

## **Accredited and eligible for a rebate\***

The accredited Lorentz's PS2 range, gives farmers confidence our products have been stringently tested by the CEC in regards to safety and quality standards as well as being eligible for a rebate.

## **Higher efficiency**

The Lorentz PS2 systems use a unique brushless and sensor-less DC motor for maximum efficiency resulting in significantly more water being pumped with the available power.

The Lorentz ECDRIVE and PS2 have an average daily efficiency of above 90%. Most of our competitors achieve 65% with clear blue skies.

## **Specialised Solar product range**

The Lorentz product range is the largest on the Australian market, meaning there's a solution for everyone.

With flow rates up to 499m<sup>3</sup>/h and head capacity of up to 450m, the Lorentz PS2 range is a fully integrated solar pumping solution to improve water security and sustainability.

**“We find the Lorentz pump to be very efficient for a range of situations. The flow rate and its durability gives us confidence that our tanks remain full at all times, and our livestock are never without water.”**

**Gabriel Passmore  
Gooloogong, NSW**



## **PS2-100** SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-100 HR
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	40
MAX. FLOW RATE [m <sup>3</sup> /h]	2.8

### **TYPICAL APPLICATIONS**

- Ideal DIY application
- Pick it up, Plug it in, Pump water.
- Small Windmill or engine driven pump replacement
- 3 Helical Rotor Pumps in the range

## **PS2-150** SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-150 HR	PS2-150 C
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	60	20
MAX. FLOW RATE [m <sup>3</sup> /h]	1.4	6

### **TYPICAL APPLICATIONS**

- Small windmill or diesel pump replacement
- Filling small tank near water source e.g. 5000 gallon/22,500 litre for domestic or livestock
- Typical daily flow 5,000 to 10,000 litres

## **PS2-200** SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-200 HR	PS2-200 C
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	50	35
MAX. FLOW RATE [m <sup>3</sup> /h]	2.6	3.3

### **TYPICAL APPLICATIONS**

- Small windmill or diesel pump replacement
- Filling small tank near water source e.g. 5000 gallon/22,500 litre for domestic or livestock
- Typical daily flow 12,500 to 17,500 litres

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## PS2-600

### SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-600 HR	PS2-600 C
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	180	50
MAX. FLOW RATE [m <sup>3</sup> /h]	2.6	11.5

### TYPICAL APPLICATIONS

- Mid-size windmill or diesel pump replacement
- Filling medium size tank or multiple tanks
- Able to push water through pipelines & up hills
- Typical daily flow 15,000 to 25,000 litres

## PS2-1800

### SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-1800 HR	PS2-1800 C
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	250	100
MAX. FLOW RATE [m <sup>3</sup> /h]	3.9	53

### TYPICAL APPLICATIONS

- Large diesel pump replacement
- Filling large tanks or multiple tanks
- Able to push water through extensive pipelines at high heads
- Typical daily flow 25,000 to 40,000 litres

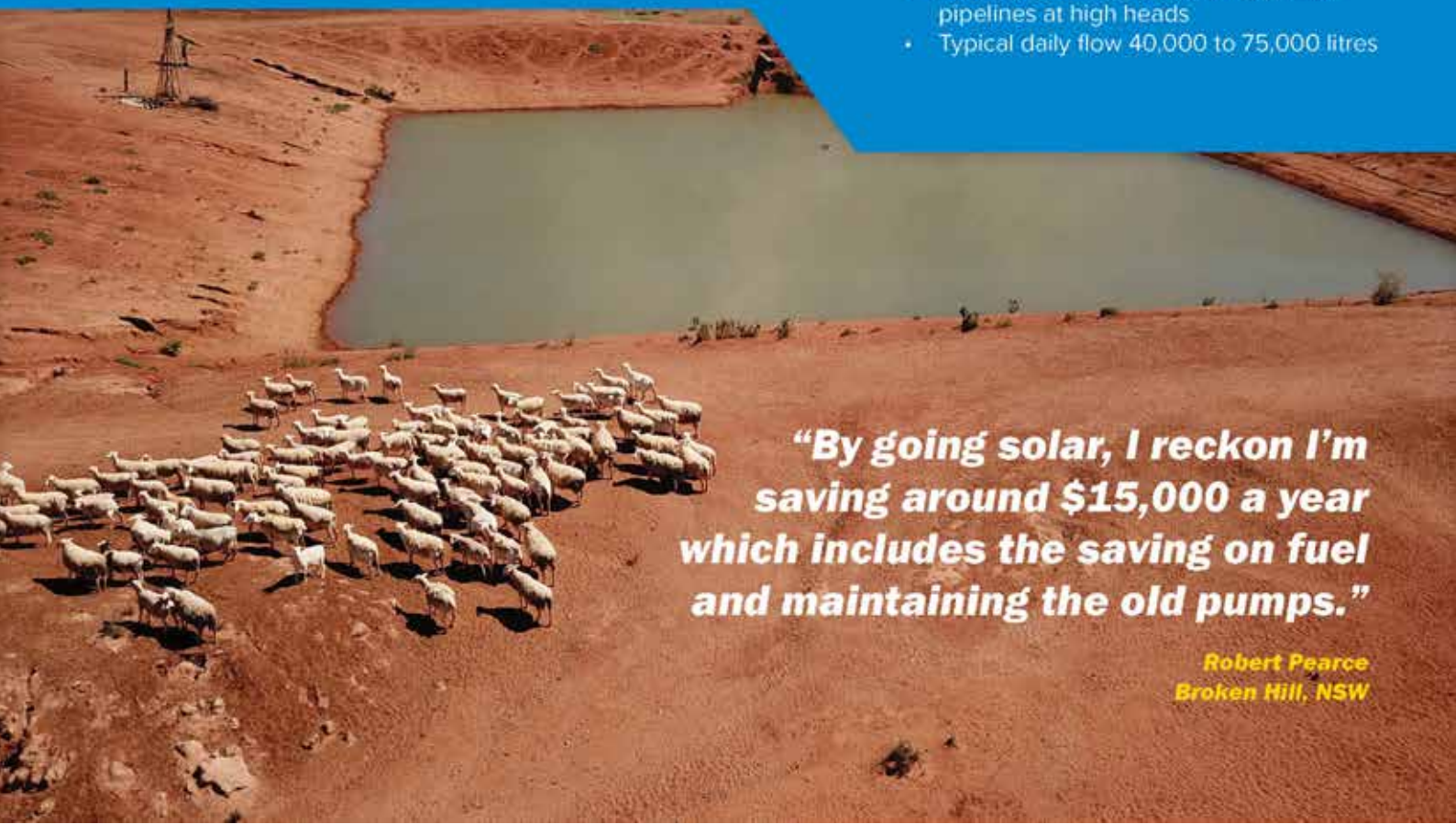
## PS2-4000

### SUBMERSIBLE SYSTEMS

PUMP SYSTEMS	PS2-4000 HR	PS2-4000 C
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	450	220
MAX. FLOW RATE [m <sup>3</sup> /h]	5.9	78

### TYPICAL APPLICATIONS

- Large diesel pump replacement with high head capability
- Filling large tanks or multiple tanks
- Able to push water through extensive pipelines at high heads
- Typical daily flow 40,000 to 75,000 litres



**“By going solar, I reckon I’m saving around \$15,000 a year which includes the saving on fuel and maintaining the old pumps.”**

**Robert Pearce**  
Broken Hill, NSW

**Where water demands cannot be met by solar power alone the hybrid PSk2 blends in external power sources on demand.**

## PSK2 SYSTEMS

### PSK2 CENTRIFUGAL PUMP SYSTEMS

PUMP SYSTEMS	PSK2-7	PSK2-9	PSK2-15	PSK2-21	PSK2-25	PSK2-40
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	160	180	140	280	200	200
MAX. FLOW RATE [m <sup>3</sup> /h]	128	39	235	218	228	241

### PSK2 SURFACE PUMP SYSTEMS

PUMP SYSTEMS	PSK2-7	PSK2-9	PSK2-15	PSK2-21	PSK2-25	PSK2-40
MAX. TOTAL DYNAMIC HEAD (TDH) [m]	90	80	80	80	40	90
MAX. FLOW RATE [m <sup>3</sup> /h]	114	120	279	306	457	499

**PSk2 is an integrated solar water pumping system for larger applications.**

### TYPICAL APPLICATIONS

- Large diesel pump replacement with high head and flow capability
- Capable of delivering water for major livestock or irrigation applications
- Able to push water through extensive pipelines at high heads
- Typical daily flow of up to 2+ megalitres per day



# PumpScanner App

**Our PumpScanner App allows you to work with all PS2 Lorentz solar pumps in a simple and consistent manner.**

The App provides:

- Easy to use, customisable dashboard.
- Simple real-time access to information such as water pumped, energy and cost savings.
- Quick identification of any pump performance issues
- Access to timers and speed control to help users manage water resources.

## Quick reference guide

