



# ***LORENTZ PS2-100***

Mass market affordable solar pump system

## PS2-100 AHRP

- Small system to fit **mass-market low-cost systems**
  - **High quality / performance**
  - High resistance glass fill polymer PE
  - Mini controller
  - **High efficiency 3,5-inch DC permanent magnet stainless steel motor**
- Plug and play for self install **allows direct “solar pump kit” distributor**
  - Extremely easy installation through fast connectors
- Applications:
  - Cost effective – off-grid houses water supply
  - Livestock water supply (low requirements)
  - Small size irrigation requirements



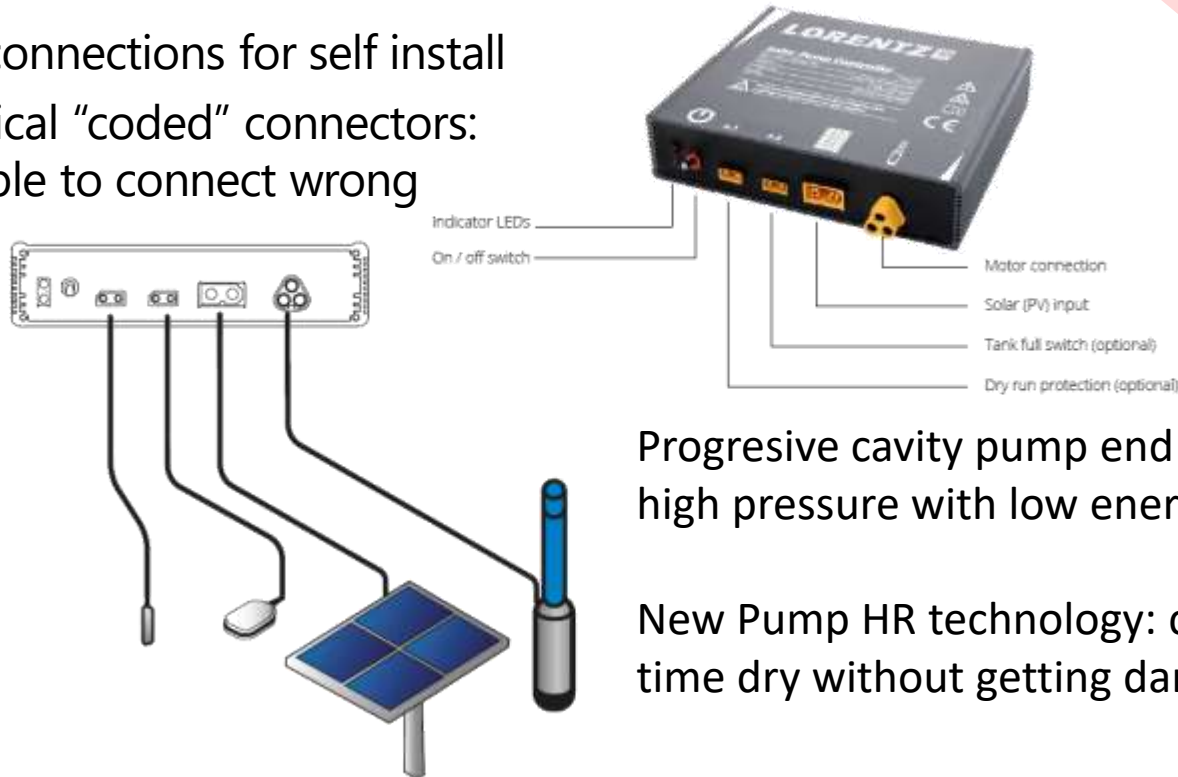
## PS2-100 AHRP

- **Flexible range** for different applications:
  - High head (HR-07) – up to 40 m head
  - High flow (HR-23) – up to 2,3 m<sup>3</sup>/h
  - Balanced (HR14) – up to 27m head or 1,9 m<sup>3</sup>/h flow
- Works with **a single standard market available PV Module** (60 or 72 cells – 200 to 340 Wp range)
  - **Allows transportable applications**
  - Cable to connect MC4 to controller
- Motor cable with plug, fixed by Torx screws (exchangeable)



# PS2-100 AHRP

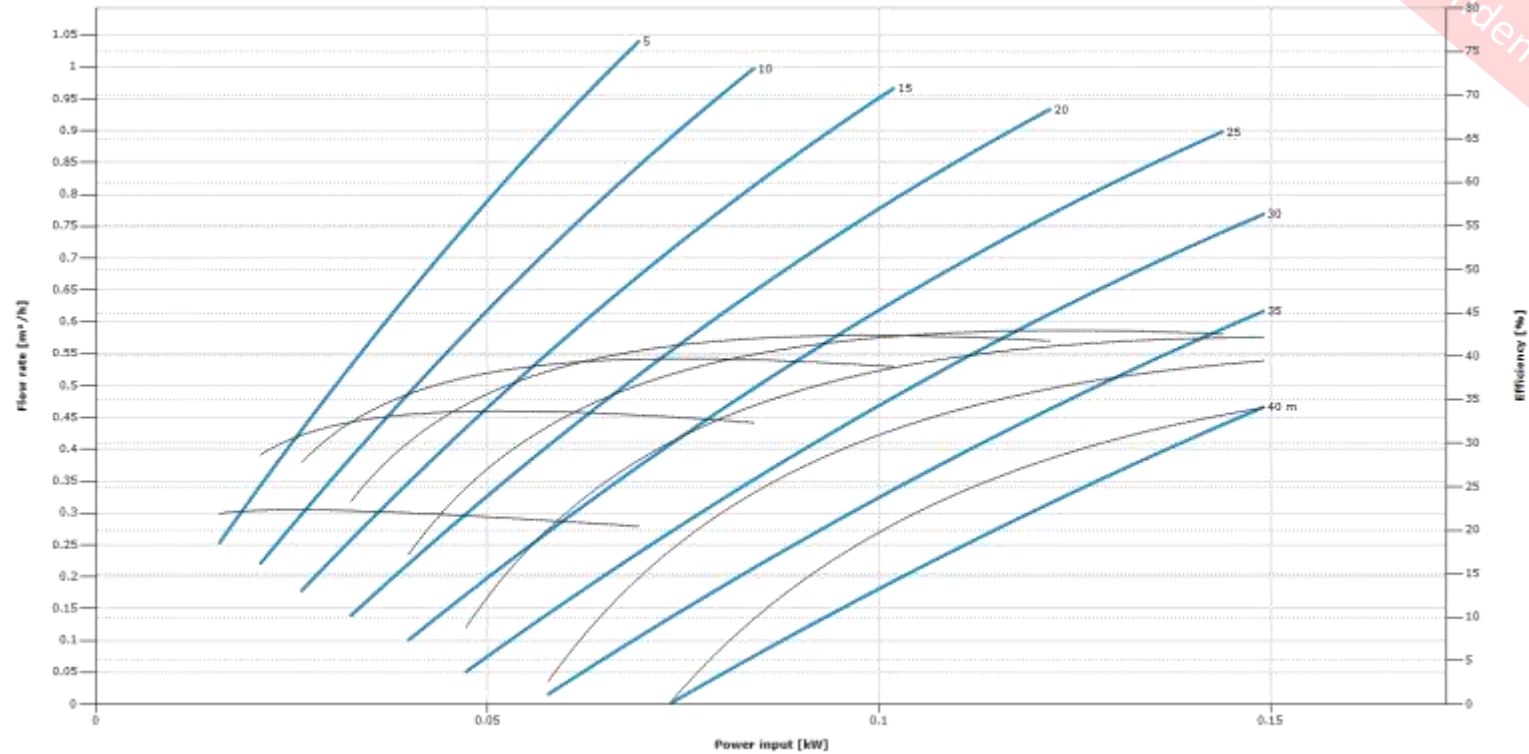
- Simple connections for self install
- Mechanical “coded” connectors: impossible to connect wrong



Progressive cavity pump end (Helical Rotor):  
high pressure with low energy

New Pump HR technology: can run short  
time dry without getting damaged

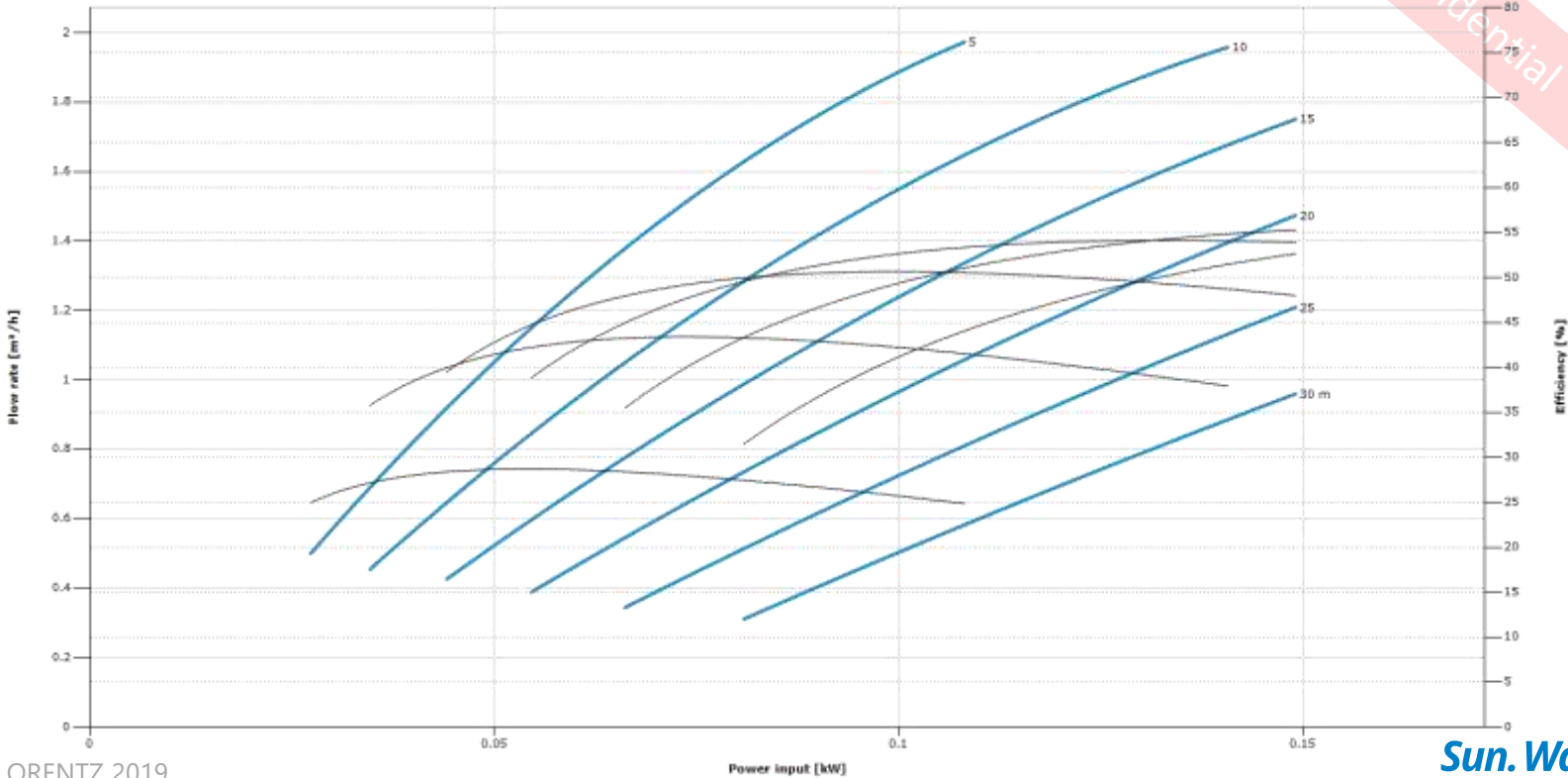
# HR07



Confidential

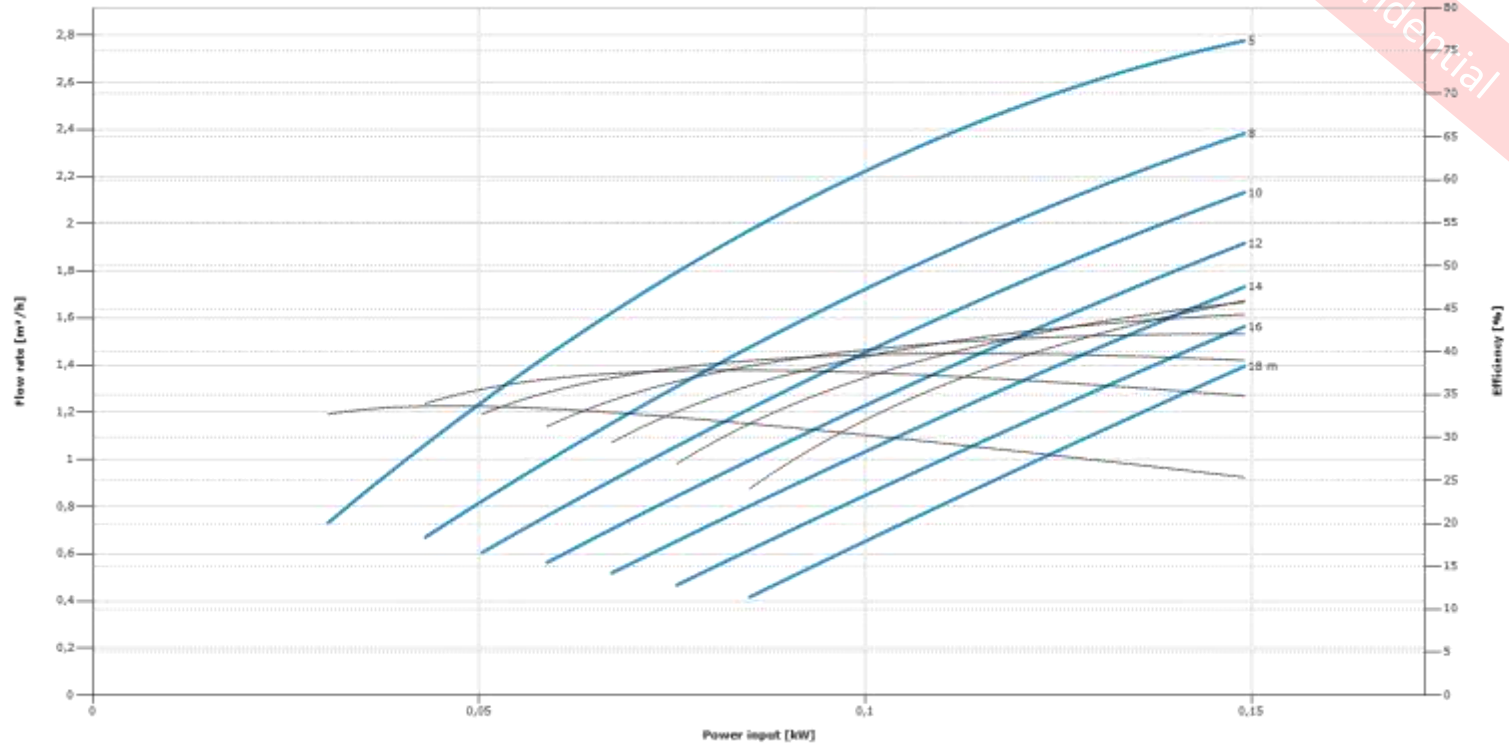
# HR14

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# HR23

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# Packaging

- Pump unit (PU) in box with 15m cable
- Controller Set in same sized box

Pump unit



Controller Set

Controller

MC4 adapter cable

Cable with motor plug



# Accessories

The following accessories are available to extend the PS2-100 system

## Accessories

- 19-000007 Well probe with 15m cable and a XT-30F plug
- 19-001220 Motor extension cable (15m cable with MT60-M to MT60-F plug)
- 19-000032 Float Switch with a XT30-F plug (10m cable)



Float switch  
with 10m cable  
& connector



Well probe with  
15m cable &  
connector



Motor extension  
cable 15m with  
connectors

## ***PS2-100 AHRP***

### **Key differentiators**

- Excellent quality, maintaining LORENTZ and partner reputation and brands
- Perfect hand-pump replacement:
  - Much more water with lower investment
  - Designed for long lifetime: Robust progressive cavity pump end
  - Modular design: no skills required for components replacement, components are low cost

