



# PSk2 Surface Solar Pump Systems

CENTRIFUGAL PUMP SYSTEMS



| PUMP SYSTEMS                      | PS 7K2   | PS 9K2   | PS 15K2  | PS 21K2  | PS 25K2  |
|-----------------------------------|----------|----------|----------|----------|----------|
| MAX. TOTAL DYNAMIC HEAD (TDH) [m] | 90       | 80       | 80       | 80       | 40       |
| MAX. FLOW RATE [m³/h]             | 114      | 120      | 279      | 306      | 457      |
| SOLAR OPERATION:                  |          |          |          |          |          |
| open circuit voltage (Voc) [V DC] | MAX. 850 | MAX. 850 | MAX. 850 | MAX. 850 | MAX. 850 |

\* PV modules at standard test condition: AM = 1.5, E = 1,000 W/m², cell temperature: 25°C. All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations. A pump system consists of a controller, motor and pump end. Multiple pumps/pump ends are shown to represent the wide range of pumps (over 70) that LORENTZ has.

SURFACE PUMPS

# STICK IT WHERE THE SUN SHINES

Australian's have a habit of being told to stick things in dark places, but the LORENTZ range of solar pumps and controllers work better where the sun shines.

From swimming pools to stock water to irrigation – no fuel & no electricity.

Just sunshine and you're pumping.





# PS Solar Pump Systems for Pools

| PUMP SYSTEMS                      | PS600 CS-17-1    | PS1800 CS-37-1   |
|-----------------------------------|------------------|------------------|
| MAX. TOTAL DYNAMIC HEAD (TDH) [m] | 12               | 14               |
| MAX. FLOW RATE [m³/h]             | 19               | 36               |
| SOLAR OPERATION:                  |                  |                  |
| max. power voltage (Vmp)* [V DC]  | > 68             | > 102            |
| open circuit voltage (Voc) [V DC] | MAX. 150         | MAX. 200         |
| nominal voltage [V DC]            | 48 – 72          | 84 – 96          |
| BATTERY OPERATION:                |                  |                  |
| nominal voltage [V DC]            | 48               | 96               |
| PUMP TYPE                         | centrifugal pump | centrifugal pump |
| INTEGRATED STRAINER               | ■                | ■                |
| SUITABLE FOR SEA WATER            | on request       | on request       |

\* PV modules at standard test condition: AM = 1.5, E = 1,000 W/m², cell temperature: 25°C.



PS600 CS-17-1



PS1800 CS-37-1



# PS Surface Solar Pumps Systems



| PUMP SYSTEMS                      | PS150 BOOST           | PS600 CS-F       | PS1800 CS-F      | PS4000 CS-F      |
|-----------------------------------|-----------------------|------------------|------------------|------------------|
| MAX. TOTAL DYNAMIC HEAD (TDH) [m] | 150                   | 40               | 50               | 70               |
| MAX. FLOW RATE [m³/h]             | 1.3                   | 8.9              | 19               | 59               |
| SOLAR OPERATION:                  |                       |                  |                  |                  |
| max. power voltage (Vmp)* [V DC]  | > 17                  | > 68             | > 102            | > 238            |
| open circuit voltage (Voc) [V DC] | MAX. 50               | MAX. 150         | MAX. 200         | MAX. 375         |
| nominal voltage [V DC]            | 12 – 24               | 24 – 48          | 72 – 96          | 168 – 192        |
| BATTERY OPERATION:                |                       |                  |                  |                  |
| nominal voltage [V DC]            | 12 and 24             | 48               | 96               | N/A              |
| PUMP TYPE                         | positive displacement | centrifugal pump | centrifugal pump | centrifugal pump |

\* PV modules at standard test condition: AM = 1.5, E = 1,000 W/m², cell temperature: 25°C