

# Well Probe

## Mechanically Activated Device for Dry Run Protection in Applications with LORENTZ Solar Pump Systems

The switch can be used to detect the water level within a well. When the water level in the well dropped below the level of the well probe, the LORENTZ Controller will stop the pump and indicates Source Low LED.

### FEATURES

- Reliable dry run protection
- Simple to install
- Trouble free operation
- Corrosion-free
- Splicing kit included

### TECHNICAL DATA

- Max. operating temperature 55 °C
- Enclosure class: IP68  
Submersion depth: max 50 m
- Cable length: 1.5m
- Wire size: 2x 0.75mm<sup>2</sup> or AWG 19, waterproofed
- Mounted in vertical position

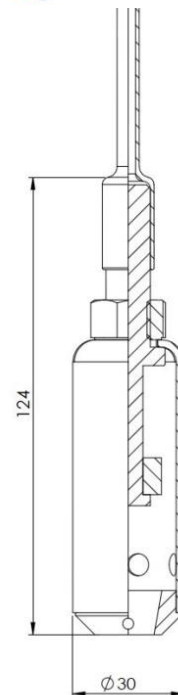
### STANDARDS

- Meets the requirements for CE



### DIMENSION/WEIGHT

- Packaging dimensions: 260 x 170 x 40 mm  
10.3in x 6.7in x 1.6in
- Total weight: 0.1kg / 0.2lbs



# Float Switch

## Mechanically Activated Device for Water Level Detection in Applications with LORENTZ Solar Pump Systems

The switch can be used to detect the water level within a tank. When the water level in the tank reaches the maximum, the LORENTZ Controller will stop the pump and indicates Tank Full LED.

### FEATURES

- Reliable water level detection
- Simple to install
- Trouble free operation
- Not sensitive to rotation
- Corrosion-free
- Three wires for normally open and normally closed application



### TECHNICAL DATA

- Operating temperature: -10°C to 55°C
- Storage temperature: : -10°C to 55°C
- Enclosure class: IP68
- Cable length: 3m, waterproof
- Wire size: 3x 1.0mm<sup>2</sup> or AWG 18

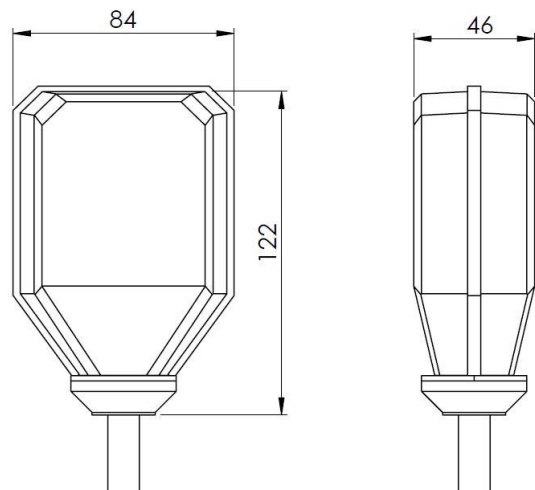
### STANDARDS

- Meets the requirements for CE



### DIMENSION/WEIGHT

- Packaging dimensions: 230 x 160 x 55 mm  
9.1in x 6.3in x 2.2in
- Total weight: 0.8kg / 1.8lbs



# Pressure Switch

## Device for Water Pressure Detection in Applications with LORENTZ Solar Pump Systems

The switch can be used to detect the water level within a tank. When the water level in the tank reaches the maximum, the pressure will increase and the LORENTZ Controller will stop the pump and indicates Tank Full LED.

### FEATURES

- Reliable water pressure detection
- Simple to install
- Trouble free operation
- Corrosion-free

### TECHNICAL DATA

- Pressure range between 1 and 5 bar

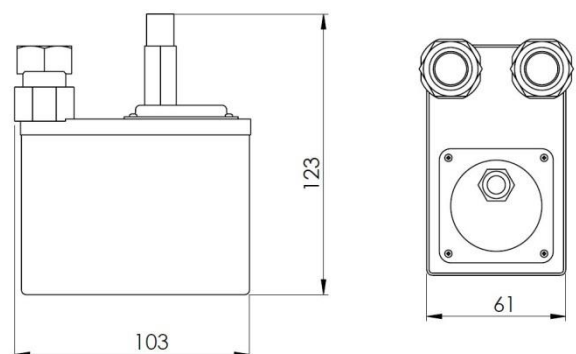
### Connections

- 2x cable gland  $\varnothing$  5-9mm
- G 1/4" pipe thread



### STANDARDS

- Meets the requirements for CE



### DIMENSION/WEIGHT

- Packaging dimensions: 130 x 105 x 65 mm  
5.1in x 4.2in x 2.6in
- Total weight: 0.45kg / 1lbs

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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.

# PP600H AC PowerPack

AC/DC Converter to Power PS 600 and PS 1200HR Pump Systems from a Generator or Utility Power

## TECHNICAL DATA

- AC input: 120V or 240V ( $\pm 15\%$ ), selectable, 47 to 63Hz
- AC input current: 6.2A (120V) or 3.1A (240V)
- PV input voltage:  $V_{mp}$ : 130V DC, depending on pump controller max. voltages
- PV max open circuit voltage: 200V DC depending on pump controller max. voltages
- DC output: 120V DC (no load), 700W
- Overload protection: internal fuse, 15A
- Enclosure: steel, gasket-sealed, indoor-use, hinged front cover with key-lock
- Must be protected from direct mid-day sun
- IP22
- Ambient temperature: max. 45°C



## Wire Size

- All wires must be #14 AWG (2.5 mm<sup>2</sup>) or larger

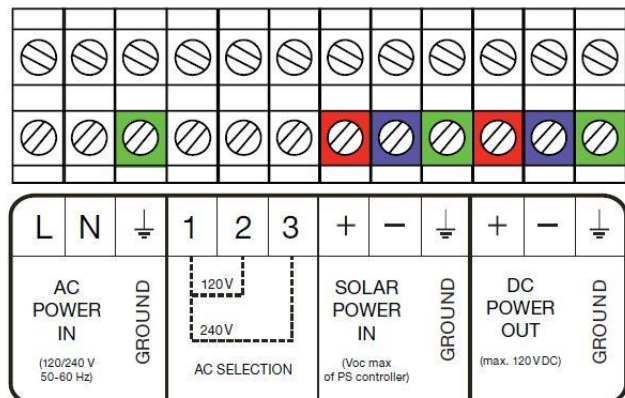
## STANDARDS

- Meets the requirements for CE



## DIMENSION/WEIGHT

- 450mm x 300mm x 140mm  
17.7in x 11.8in x 5.5in
- Weight: 16kg / 35lbs



# PP2000 AC Power Pack

AC/DC Converter to Power PS 1200 and PS 1800 Pump Systems from a Generator or Utility Power

## TECHNICAL DATA

- AC input: 240V ( $\pm 15\%$ ), 47 to 63Hz
- AC input current: 6.2A
- PV input voltage:  $V_{mp}$ : 110V - 140V DC, depending on pump controller max. voltages
- PV max open circuit voltage: 200V DC depending on pump controller max. voltages
- DC output max.: 180V DC, 1,500W
- Overload protection: internal fuse, 15A
- Enclosure: steel, gasket-sealed, indoor-use, hinged front cover with key-lock
- Must be protected from direct mid-day sun
- IP22
- Ambient temperature: max. 45°C



## Wire Size

- All wires must be #14 AWG (2.5 mm<sup>2</sup>) or larger

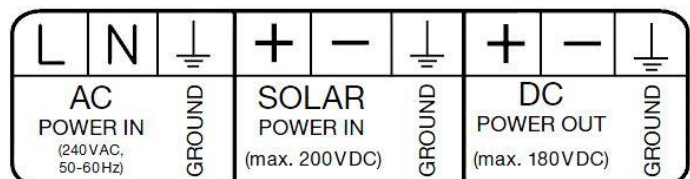
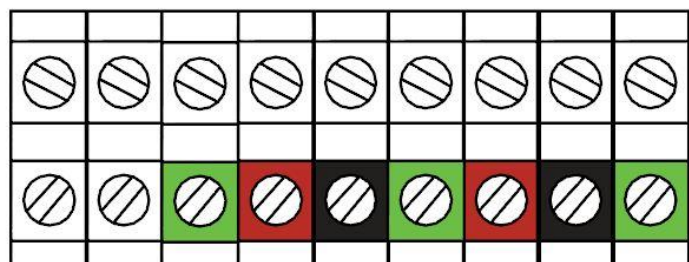
## STANDARDS

- Meets the requirements for CE



## DIMENSION/WEIGHT

- 450mm x 300mm x 140mm  
17.7in x 11.8in x 5.5in
- Weight: 23.5kg / 52lbs



# PP4000 AC PowerPack

AC/DC Converter to Power PS 4000 Pump Systems from a Generator or Utility Power

## TECHNICAL DATA

- 3-Phase AC input: 380V ( $\pm 20\%$ ), 45 to 65Hz
- DC output: 180-286V, 5.7kW
- DC output rated current: 20A @ 230V DC
- Must be protected from direct mid-day sun
- IP42
- Ambient temperature:  $-5$  to  $45^{\circ}\text{C}$
- Efficiency up to 94%
- Passive cooling, no fan



## Wire Size

- All wires must be #14 AWG (2.5 mm<sup>2</sup>) or larger

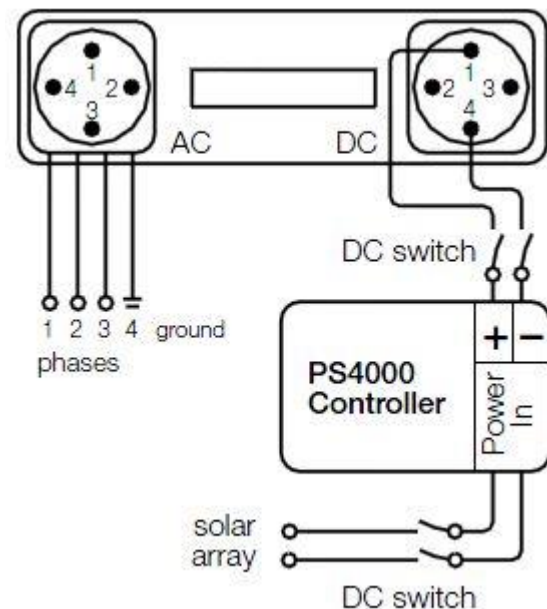
## STANDARDS

- Meets the requirements for CE



## DIMENSION/WEIGHT

- 332mm x 210mm x 201.8mm  
15.7in x 8.7in x 8.3in
- Weight: 14.5kg / 30lbs



# PV Disconnect 200V / 20A

PV Disconnect to facilitate an easy Installation for PS 150 until PS 1800

## FEATURES

- For quick installation without opening the Controller
- Cable conduit allows proper sealing of controller
- Extends the Controller terminals

## TECHNICAL DATA

- 200V DC / 20A
- Flexible conduit 1x 90cm

## STANDARDS

- Meets the requirements for CE



## DIMENSION/WEIGHT

- 300mm x 300mm x 150mm  
11.8in x 11.8in x 5.9in
- Total weight: 6.8kg / 15lbs



# PV Disconnect 400V / 20A

PV Disconnect to facilitate an easy Installation for PS 4000

## FEATURES

- For quick installation without opening the Controller
- Cable conduit allows proper sealing of controller
- Extends the Controller terminals

## TECHNICAL DATA

- 400V DC / 20A
- Flexible conduit 1x 90cm

## STANDARDS

- Meets the requirements for CE



## DIMENSION/WEIGHT

- 300mm x 300mm x 150mm  
11.8in x 11.8in x 5.9in
- Total weight: 6.8kg / 15lbs

