



304 grade stainless steel enclosure



### CONTROL

- Switched input - float switch, pressure switch,
- Level probe (capacitance type probes)  
OR
- 4-20mA level or pressure transmitter
- Start / Restart delay timers
- Overcurrent protection and recovery timer
- Under/over voltage protection and restart delay
- Flow sensor for low flow protection: provides instantaneous and accumulated flow. (Flow sensor max pressure rating 20 bar)

### PRODUCT DETAILS

SOLARPLUSPRO-SS places the SOLARPLUS controller inside a 304 grade stainless steel, lockable enclosure for enhanced security and weather resistance.

Supplied pre-wired with positive and negative MC-4 solar power connectors, a panel mount IP44 IEC 60309 9h 16A socket and plug and a 10 amp 230V AC input flex to connect a generator. SOLARPLUSPRO-SS provides a professional 'plug n play' option

DC power from a solar array fluctuates according to environmental conditions making it challenging to understand system behaviour.

Supplied with a 20 bar pressure rated, stainless steel, 50mm flow sensor and 10 meter signal cable the NXT SOLARPLUSPRO provides a wealth of information regarding the system running state and offers options to control and protect your pump.

### FEATURES

Robust metal enclosure with locable door and viewing window

Three operating modes:

1. DC Only
2. AC Only
3. Auto with changeover to AC in low light conditions

- Generator '2 wire start' output circuit
- No-run switched input circuits:
- Water Source / water destination
- Displays input voltage DC and/or AC
- Displays pump power consumption
- 4-20mA input: measure pressure and control the pump using a pressure transducer
- With flow meter connected Solar-Plus displays instantaneous flow and accumulated flow
- User programmable min/max voltage DC and/or AC
- User programmable shutdown delays and restart timers
- RS485 Comms output

### TECHNICAL DATA

|                             |                              |
|-----------------------------|------------------------------|
| <b>RATED AC VOLTAGE</b>     | 1Ph 90 - 280 V               |
| <b>MAX. AC AMPERAGE</b>     | 10 amps                      |
| <b>RATED DC VOLTAGE</b>     | 60 - 380 Vmp<br>60 - 440 Voc |
| <b>MAX. DC AMPERAGE</b>     | 12 amp DC (Isc)              |
| <b>DEGREE OF PROTECTION</b> | I.P. 54                      |

|                                |                       |
|--------------------------------|-----------------------|
| <b>4-20MA TRANSDUCER INPUT</b> | Max range 25 bar      |
| <b>OPERATING TEMP RANGE</b>    | -25 degC to 80 deg C  |
| <b>UNIT DIMENSIONS MM</b>      | 540 H x 370 W x 215 D |
| <b>UNIT WEIGHT (NETT)</b>      | 14kg approx           |
| <b>PACKAGING DIMENSIONS MM</b> | 660 H x 390 H x 250 D |