



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 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