



Powder coated galvanised 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 places the SOLARPLUS controller inside a powder-coated metal, 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 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

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

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