PRODUCT DATA SHEET

BIA-NXT-BIA-SOLARPLUSPRO

812186

Powder coated galvanised steel enclosure

PRODUCT DETAILS

SOLARPLUSPRO places the SOLARPLUS controller inside a powdercoated metal, lockable enclosure for enhanced security and weather resistance.
Supplied pre-wired with positice 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.

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

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
- Optional flow sensor for low flow protection: provides instanteous and accumulated flow

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