

PRODUCT DETAILS

Developed in response to customer feedback and to provide enhanced system operating information and greater control over the pump operation, the SOLAR PLUS controller supersedes the iCon iSolarV3. It is backwards compatible with any existing installation fitted with a M110 or M220 motor

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 SOLAR PLUS-SSFLOW50 provides a wealth of information regarding the system running state and offers more options to control and protect your pump.

FEATURES

UV resistant composite enclosure with information-rich LCD screen

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
- Flow sensor for low flow protection: provides instantaneous and accumulated flow. (Flow sensor max pressure rating 20 bar)

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

POWER CABLE	None - bare controller only
4-20MA TRANSDUCER INPUT	Max range 25 bar
OPERATING TEMP RANGE	-25 degC to 55 deg C
UNIT DIMENSIONS	342mm x 253mm x 130mm
UNIT WEIGHT (NETT)	2.8kg approx

