

PRODUCT DETAILS

The Bianco NXT Flexi-Solar pump controller is a variable speed drive designed for three-phase asynchronous motors and permanent magnet synchronous motors.

High-voltage DC power from a solar array is converted into AC power to drive the pump. When the solar energy drops, the controller can automatically switch to a backup AC power source, such as generator or battery storage

The incoming power source can be DC, AC or a combination of both.



APPLICATIONS

- Off-grid pumping
- Combining Solar DC and locally generated AC power to reduce running costs of ICE power generation
- Powering standard 3 phase pumps with asynchronous motors

FEATURES

- Hybrid DC/AC controller
- Pump protection and control
- Motor soft starting
- Speed control
- Fault monitoring and Protection
- Multi pump control. 1 master and up to 5 auxiliary controllers
- Optimised pump performance - Solar Maximum Power Point Tracking (MPPT)



TECHNICAL DATA

MAXIMUM DC VOLTAGE	800V DC
STARTUP DC VOLTAGE	220V DC
LOWEST DC VOLTAGE	200V DC
RECOMMENDED MPPT DC VOLTAGE	400 - 750V DC
BEST DC WORKING VOLTAGE	560V DC
INPUT AC VOLTAGE	280 - 440V 3 phase
AC INPUT FREQUENCY	50 / 60Hz
INPUT CIRCUITS	2 pairs MC4

OUTPUT VOLTAGE	415V 3 phase
RATED CURRENT	17.0 amps
OUTPOWER POWER	7.5 kW nominal
PROTECTION CLASS	IP65
WORKING TEMPERATURE	20 to 60° C ambient
COOLING	Air Cooled
EXTERNAL DIMENSIONS	396W x 371D x 184H
WEIGHT (KG)	13.5 kg