

**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**

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

<b>OUTPUT VOLTAGE</b>	415V 3 phase
<b>RATED CURRENT</b>	9.0 amps
<b>OUTPOWER POWER</b>	4.0 kW nominal
<b>PROTECTION CLASS</b>	IP65
<b>WORKING TEMPERATURE</b>	20 to 60° C ambient
<b>COOLING</b>	Air cooled
<b>EXTERNAL DIMENSIONS</b>	396W x 371D x 184H
<b>WEIGHT (KG)</b>	11.0 kg