



NX-CORE

NEXUS CORE

Data Acquisition & Smart Control Unit

The central hub for complete RV system control.

The NX-CORE is the intelligent heart of the NEXUS family, designed to deliver seamless integration, monitoring, and control of your entire off-grid or RV electrical system. With built-in smart load control, comprehensive data acquisition, and a intuitive user interface, the NX-CORE simplifies complex system management into one powerful, connected platform.



Arizon NEXUS – NX-CORE



Key Features

WiFi-Enabled Connectivity

Monitor and control your system remotely via the NEXUS mobile app, ensuring complete visibility wherever you are.

Smart Load Control

10 digital outputs for system management:

- 1 × 30A (high-current output for fridge or heavy loads)
- 2 × 20A
- 7 × 10A (ideal for lighting, water pump, and accessories)

Customizable User Interface

Compatible with IQ4 and IQ7 touchscreens, allowing users to tailor their display and control preferences.

Comprehensive Data Acquisition

- 6 × Water tank level inputs
- 2 × Temperature monitoring channels
- Full battery monitoring up to 500A (SOC, charge/discharge, and system efficiency)

Built-In Protection

Integrated fusing and system protection for reliable and safe operation.

Inverter Integration

Supports remote inverter switching and smart control coordination.

Advanced Communication

Supports RS485 and CAN bus protocols for seamless integration with third-party devices and future system expansion.

Battery Compatibility

Works with sealed, gel, and lithium battery systems with intelligent charging profiles.

Smart Load Management

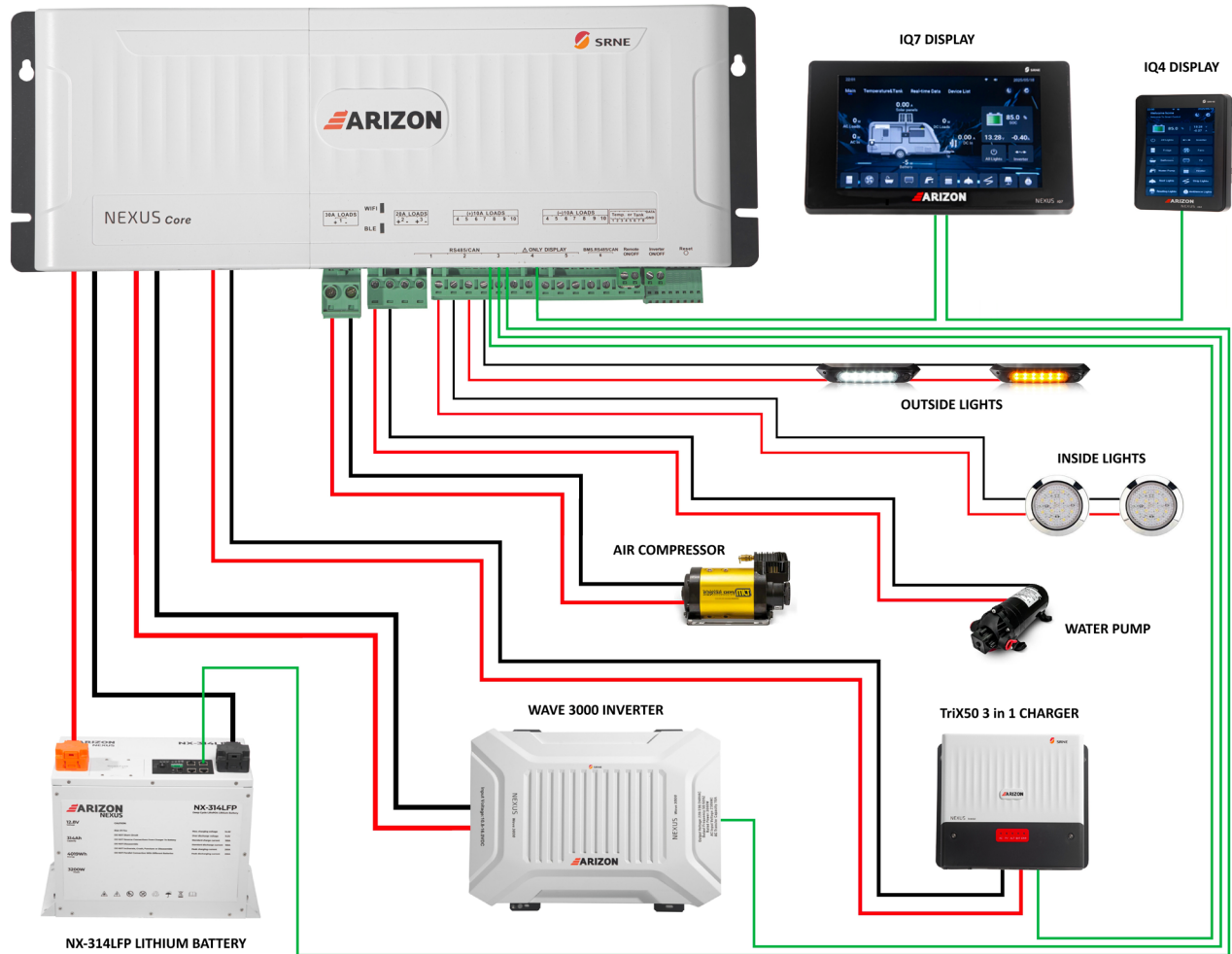
Automatic current monitoring, prioritization, and power optimization for efficient energy use.

Easy Installation

Compact, lightweight, and designed for clean, straightforward installation in any RV or off-grid setup.

NX-CORE	Specification
Input Voltage	9 -20V DC
Communication	Bluetooth, WiFi, RS485, CAN
Digital Outputs	10 (1 x 30A, 2 x 20A, 7 x 10A)
Tank Inputs	6 (0-190Ω, 240-33Ω, 0-5V)
Temperature Inputs	2 (standard NTC)
Circuit Protection (1-3)	Fuses, mechanical
Circuit Protection (4-10)	Fuses, electronic self resettable
Device Protection	- Battery over-discharge - Battery over-voltage - Load over-current - Over-temperature
Battery Capacity	1-9999Ah
Battery Current Monitoring	Up to 500A
Dimensions	W 385 mm x H 165 mm x D 62 mm
Weight	800g





Safety & Compliance

- Designed and tested to comply with AS/NZS electrical and safety standards.
- Installation must be performed by a qualified technician.
- Failure to follow installation requirements voids warranty and releases Arizon from liability.

Legal Disclaimer

IMPORTANT NOTICE:

This product must be installed in accordance with the above specifications and safety instructions.

Arizon Off Grid Pty Ltd assumes no responsibility for damage, injury, or loss arising from incorrect mounting, poor ventilation, or non-compliance with installation requirements.

By installing or using this unit, the installer and/or end-user acknowledges understanding and acceptance of these terms.