

# INTELLICORE

## DATASHEET

### iCORE DC PDU 16



The IntelliCORE range of Power distribution units are a state of the art MOSFET based distributed DC switching system, designed for RV and Marine application. With unique features only demanded from marine installations, FinScan have developed a power distribution unit that caters for entire wiring requirements for DC power distribution, and load connection.

**Features include :**

1. Internally Fused Power studs for direct connection of Positive and Negative battery connection.
2. Dedicated, easy to use and access “Emergency bypass” socket – allows circuit breaker to plug load directly to power, bypassing all electronics, yet maintain circuit protection.
3. Internal Ground distribution terminal block for loads to connect to . No external Ground Busbar required.
4. 2 x Dedicated, protected “HOT” outputs, extra to the 16 x MOSFET switched outputs for constant unswitched power supply to various on board items – Audio Visual memory , Auto bilge pump etc
5. Dedicated - protected IntelliCORE power via IntelliBUS RJ45 connection. Allows PDU to power IntelliCORE modules and Touch Screens with 1 x RJ45 connection carrying Power and communications. Extremely Simplify's wiring .
6. IP65 RJ45 PDU connection to protect connections in extreme environments.
7. Complete control from FinScan's range of 4.3” to 10” full colour touchscreens.
8. Up to 8 x Programmable soft start and PWM dimming outputs.
9. Various plug in options to cater for analogue input sensors , and 3 wire LED light dimming.

**Included in Package :**

1. iCORE DC PDU – 16 power distribution unit
2. IntelliBUS IP65 – RJ45 connection
3. 16 x DC Auto reset circuit breakers of 5 to 25 A rating

<b>General Specifications</b>	
Voltage	10 – 24 Volts DC
Maximum number of nodes	100
Number of outputs per node	16
Maximum current of all circuits per node	125A
Maximum individual circuit current	25A
Output node technology	MOSFET
Maximum Temperature	90°C
Output state indicator	LED at each node
Connection System	Terminal block
IP Rating Enclosure	IP65
IP Rating Connectors	IP65
Dimensions	250mm x 230mm x 100mm