

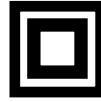
48V

Modular Power Supply **DD666**

**CLASS 2
ISOLATION**

For applications requiring the extra safety provided by Class 2 isolation, e.g. where mains earth cannot be guaranteed :

- Safe operation without earth connection
- Low earth leakage current - Comply with IEE wiring regs when using a 13A mains plug.
- PFC input - Sinusoidal current
- Hot Swap module replacement
- Proven High reliability - Roadside
- Temperature compensation (external sensor)
- Standard or bespoke sub-rack and distribution solutions.



DD668 Monitor



This monitor is the standard fitment in the DD667 sub-rack and provides the following alarm, metering and system functions:

Battery low voltage disconnect relay that remove the load from the battery at 1.80V/cell to prevent irreversible battery damage.

Battery and PSU module fail alarm LED's and volt free contacts.

LCD digital metering of Output, Battery and (each) PSU operating dc voltages and currents.

DD667 Sub-rack (standard version)

- AC Input:** Independent mains feed to each PSU
- Size:** 3U by 260mm deep
- Weight:** <8kg fitted with a **DD668** & 2 off **DD666**
- Connector:** AC input - 2 metre lead - IEC plug.
Output, battery and optional temperature sensors - Spade terminals
Alarms - IDC Header



Electrical (PSU Module DD666)

- Input voltage:** 230 Volts (186-265) single phase
- Input frequency:** 50 or 60 Hz \pm 5%
- Input current:** 4 Amp maximum. Sinusoidal.
- Output voltage range, current limit & max power**

48V 50-58 Volt, 12 Amp, 560 Watt.

- Voltage regulation:** 0.5% (Load and input change)
- Output ripple:** <2mV Psophometric
- Efficiency:** >90% at full load
- Protective fuse:** Input - 5 Amp
- Alarms:** Fail LED and Volt-free contact.

Mechanical

- Size:** 3U high
260mm deep
- Weight:** 3Kg (PSU)
- Level of Protection:** IP20
- Connector:** DIN 41612 - H15

Environmental

- Temperature:** Operational -10 to +55°C
Extended operation above +55°C by thermal power limiting.
- Cooling:** Natural convection
- Relative humidity:** 85% up to 35°C
- Safety Compliance:** Low voltage directive **CE**
EN60950 Class 2
- EMC Compliance:** EMC directive **CE**

DD666 Flysheet issue1

DUVINE

www.duvine.biz