# Data sheet

**DANTECH**
*ELECTRONIC ENGINEERING*

# DA1007

<div align="right">

**MidspanUPS SecurePoE**

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A power over Ethernet midspan power supply with secure enclosure and monitoring. Every SecurePoE unit complies with the *IEEE 802.3:2012 standard (IEEE 802.3at/IEEE 802.3af).* SecurePoE units will provide the full 30W of power to every port. All units are housed in secure tamper protected cases. MidpanUPS SecurePoE power supplies are fitted with Yuasa battery packs to maintain power to connected PoE devices during mains failure.

One, two or four output wall mount versions are available in secure indoor or exterior enclosures.

Rack-mount versions are available with 4 or 8 ports per unit. Rack versions have a remote battery pack to allow the MidspanUPS to remain in a 1U profile. Battery packs can be mounted remotely from the rack where space is available. Each output has an RJ45 data port, *(e.g. from the network switch)* and an RJ45 load port for the PoE device, that outputs the data and power.

Outputs have LED indication to show if a compatible device is connected and powered. In addition there are SPCO clean contacts for monitoring the power status of each output. The units also have power on LED indication and SPCO clean contacts to signal power failure and low battery voltage; as well as battery disconnect deep discharge protection.

| Output | | | | |
|---|---|---|---|---|
| Ports | DA1007-IN-1 DA1007-EX-1 - | DA1007-IN-2 DA1007-EX-2 - | DA1007-IN-4 DA1007-EX-4 DA1007-RM-4 | - - DA1007-RM-8 |
| | 1 x 30W | 2 x 30W | 4 x 30W | 8 x 30W |
| Voltage | 55V DC *(nominal)* | | | |
| Current | Maximum 0.55A *(30W)* per port | | | |
| Connection type | RJ45 - Plug & play | | | |
| Status indication | LED indication; *Flashing = PoE device connected, no power requested* *On = PoE device connected, power enabled* *Off = PoE device not detected* | | | |
| Compatibility | IEEE 802.3:2012 *(IEEE 802.3at & IEEE 802.3af, full backward compatibility)* | | | |
| Data rate | DA1007-*x-x* | | DA1007-*x-x*-G | |
| | 10BASE-T 100BASE-TX | | 10BASE-T 100BASE-TX 1000BASE-T *(Gigabit)* | |
| Power class detection | Automatic class 0, 1, 2, 3, 4 detection | | | |
| Mode | Mode B *(Delivers power over spare pairs on 10/100 networks only)* | | | |

| Monitoring contacts – (individual output status & unit power fault switching) | |
|---|---|
| Contact configuration | Single pole change over |
| Rating | Maximum switching 30V 1A AC/DC |
| Connection type | Rising clamp PCB terminal block *(2.5mm²)* |
| Battery low voltage signalling threshold | 46V *(nominal)* |
| Battery low voltage disconnect threshold | 42.5V *(nominal)* |

| Input | | |
|---|---|---|
| Voltage | 90-270V AC, 47-63Hz | |
| Power consumption | ≤ 132VA *- Built-in active PFC function, PF>0.96* | |
| Connection type | DA1007-IN-*x* DA1007-EX-*x* DA1007-IN-*x*-G DA1007-EX-*x*-G | DA1007-RM-*x* DA1007-RM-*x*-G |
| | 10mm² internal terminal block *(3 x 1.5mm² or 2 x 2.5mm²)* | C14 IEC connector *(Kettle lead)* |
| Fused | 3A Mains 1" fuse *(BS1362)* | 6.3A Mains QB 20 x 5mm Glass fuse |
| Mains on indication | LED indication | Neon indicator |

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| Environmental | | |
|---|---|---|
| Operating temperature | -10°C to +40°C | |
| Storage temperature | -20°C to +50°C | |
| Operating relative humidity | Maximum 95% non-condensing | |
| Ingress protection | DA1007-IN-*x*    DA1007-RM-*x*<br>DA1007-IN-*x*-G   DA1007-RM-*x*-G | DA1007-EX-*x*<br>DA1007-EX-*x*-G |
| | IP20 | IP66 |

| Dimensions* | DA1007-IN-*x*<br>DA1007-IN-*x*-G | DA1007-EX-*x*<br>DA1007-EX-*x*-G | DA1007-RM-*x*<br>DA1007-RM-*x*-G<br>*(Excluding remote battery pack.)* |
|---|---|---|---|
| Width | 400mm | 400mm | 478mm (19" Rack-mount) |
| Height | 500mm | 500mm | 44mm (1U) |
| Depth | 155mm | 200mm | 380mm (15") |
| Weight | ≤ 12Kg | ≤ 11.5Kg | ≤ 5Kg |
| Enclosure material | Mild steel | Acrylontrile Butadiene Styrene (ABS) | Mild steel |
| Finish | Powder coated White RAL9016 | Grey RAL9003 | Powder coated Black RAL9005 |

| Battery pack | Indoor<br>(DA1007-IN-*x*) | Exterior<br>(DA1007-EX-*x*) | Rack-mount<br>(DA1007-RM-*x*) |
|---|---|---|---|
| *Note: Rack-mount versions with 4 ports have one battery pack Rack-mount versions with 8 ports have TWO battery packs* | | | |
| Replacement battery pack code | DA1007-IN-BATT | DA1007-EX-BATT | DA1007-RM-BATT |
| VRLA battery capacity | 7Ah | 7Ah | 7Ah |
| Width | 310mm | 310mm | 270mm |
| Height | 145mm | 145mm | 155mm |
| Depth | 150mm | 150mm | 195mm |
| Weight | ≤ 9Kg | ≤ 9Kg | ≤ 10Kg |

| Other | | |
|---|---|---|
| Estimated MTBF | 50,000 hours | |
| CE Approved | Yes | |
| Tamper switch | Yes | |

- *Other battery pack capacities available, e.g. DA1007 & DA1010. Please see chart to calculate your requirements.*

| Estimated stand-by times | | | |
|---|---|---|---|
| **Output load** | **Battery capacity** | | |
| | *1.2Ah* | *7Ah* | *10Ah* |
| **12W** | *4 Hours* | **30 Hours** | *44 Hours* |
| **25W** | *1.75 Hours* | **14.5 Hours** | *20 Hours* |
| **50W** | *40 Minutes* | **6.5 Hours** | *9.5 Hours* |
| **75W** | *23 Minutes* | **4 Hours** | *6 Hours* |
| **100W** | *14 Minutes* | **2.75 Hours** | *4 Hours* |