

Panel Mount Power Supply

24V 50W 1 Phase

PMC-24V050W1AA



PMC-24V050W1AA

50Watts

Total Power: 50Watts
 Input Voltage: 85-264Vac
 # of Output: Single

| | |
|---|---|
| Model number | PMC-24V050W1AA |
| Reference no. | EOE11010119 |
| OUTPUT (DC) | |
| Output power | 50W |
| Output voltage range | 22 - 28V |
| Output current | 2.1A (50W max.) |
| PARD (20MHz) | < 150mVpp (@ nominal values) |
| Start-up time | < 2500ms @ 100% load (25°C) and typical line input |
| Hold-up time | > 15ms @ 115Vac, > 90ms @ 230Vac with 50W load (25°C) |
| Rise time | < 30ms @ 100% load (25°C) |
| Line regulation | < 0.5% typical (@ 85 - 264Vac input, 100% load) |
| Load regulation | < 1% typical (@ 85 - 264Vac input, 0 to 100% load) |
| INPUT (AC) | |
| Input voltage range | 85 - 264Vac; 100 - 375Vdc |
| Input frequency | 47 - 63Hz |
| Max. input current | 1.5A max. (1.1A max. @ 115Vac, 0.7A max. @ 230Vac) |
| Inrush current limitation I ² t (+25°C) typ. | < 30A @ 115Vac, 60A @ 230Vac |
| Efficiency | > 86% (typical) |
| Leakage current | < 1mA @ 240Vac |

| | |
|--------------------------|-------------------------------------|
| MECHANICAL DESIGN | |
| Case cover | Aluminium (AL1100) |
| Dimensions (L x W x H) | 128mm x 97mm x 38mm |
| Unit weight / box | 0.255kg |
| MTBF | > 700,000 hrs |
| Noise | Sound pressure level (SPL) < 40dBA |
| Cooling | Convection |
| Input / output terminal | Terminal block 5 pin rated 300V/20A |
| Input / output wire | AWG22-14 |
| Shock proof | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |

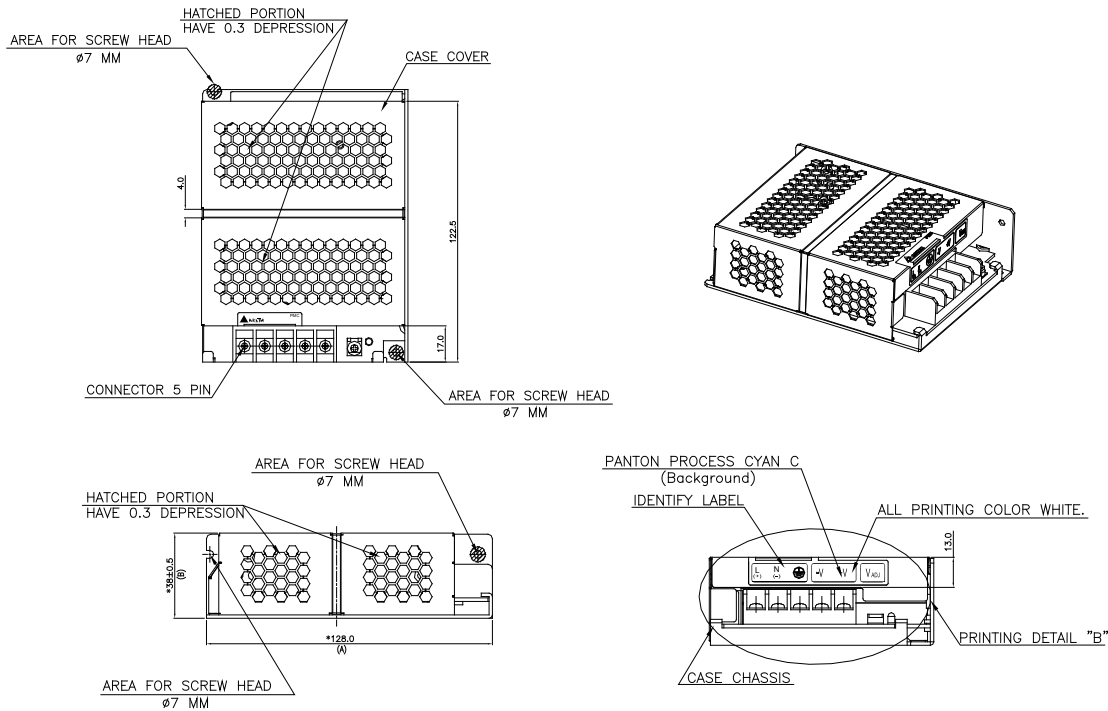
Special Features

- Full aluminium casing for lightweight and corrosion resistant handling
- Universal AC input
- Overvoltage protection
- Overload protection
- Thermal protection
- MTBF: > 700,000 hrs.
- Expected life time: 10 years
- 2 years warranty
- RoHs compliant



Panel Mount Power Supply 24V 50W 1 Phase PMC-24V050W1AA

MECHANICAL DRAWING



Delta Electronics (Thailand)
Public Company Limited
909 Moo 4, E.P.Z.,
Bangpoo Industrial Estate,
Tambon Prakasa, Amphur
Muang Samutprakarn,
Samutprakarn 10280, Thailand
Tel: +662 709 2800
Fax: +662 709 2827
E-mail: VL@delta.co.th
www.deltaenergysystems.com

SAFETY / ENVIRONMENTAL

EMC / Emissions

FCC Title 47, Class B/EN55022;CISPR22,
Class B

Immunity

EN 61000-4-2, 1995; EN61000-4-3, 1998;
EN61000-4-4, 1995; IEC61000-4-5, 1995;
EN61000-4-6, 1996; EN61000-4-8 or
IEC61000-4-12 or IEEE C62.41; EN61000-3-
2, 1994

Safety standard

UR/cUR recognized to UL60950-1 and CSA
C22.2 No.60950-1; CB test certificate and
report to IEC60950-1; CE (EMC and low vol-
tage directive), NEMKO

Voltage dips

Conform to EN61000-4-11

Galvanic isolation

Input to output: 3 KVac;
Input to ground: 1.5 KVac;
Output to ground: 0.5 KVac

Operating temperature

-10°C to +70°C *

Storage temperature

-25°C to +85°C

Operating humidity

< 95% RH non-condensing

Note (*)

* Operation to 70°C possible with a linear
derating to half power from 50°C to 70°C