

Embedded accessories

## PSU-DT24V60W-4

Desktop Power Supply



## Desktop Power Supply

Reliable Desktop Power Supply for Syslogic Embedded Box PC's and Touch Panel Computers.

- **Extended temperature range**
- **24/7 continuous operation**
- **MTBF > 30 000 hours**



### Product Highlights

Over Voltage Protection  
Short Circuit Protection  
Over Current Protection  
Energy Star Version 2.0  
Energy Efficiency level VI  
ErP STEP 2

### Product Feature

Wide Input Range  
RoHS Compliance  
Over Voltage Protective Installation  
Over Current Protective Installation  
Over Temperature Protective Installation  
Short Circuit Protective Installation  
LED Indication  
MTBF > 30 000 hours

### Markets / Applications

Industrial automation  
Railway industry  
Transportation and vehicle construction  
Cleantech  
Maritime

**Input Requirements**

Rated Voltage	100–240Vac
Normal line input	115Vac/60Hz, 220Vac/50Hz
Input Frequency	47~63 Hz
Input Current 1.8A	115Vac input with full load
Input Current 0.9A	230Vac input with full load
No Load Power Consumption	< 0.21W at normal line input
Configuration	2-wire AC input (Line, Neutral)
Inrush Current	≤ 80A at 110Vac/ ≤ 160A at 220Vac
Line Regulation	less than ± 1%, of rated output voltage at full load
Hold Up Time	≥ 8.3ms at normal line with full load
Rise Time	≤ 50ms at 115V AC input, with full load

**Output Requirements**

Output Voltage	+24V Vdc
Current Min.	0A
Current Max	2.5A
Load Regulation Voltage	+24V Vdc
Load Regulation Tolerance	+5/-5%
Load Regulation	22.8~25.2V
Dynamic Load Regulation	±5% excursion for 50%–100% or 100%–50% load change of DC output at any frequency up to 1KHz(duty 50%)
Over Voltage Protection	175% Max. of rated voltage
Over Current Protection	110~200% output current
Temperature Rise (Optional)	Less than 45°C on top/bottom case at normal AC input and 80% load of DC output at environment temperature 25°C.
Voltage Isolation	The DC ground will be isolated from the AC neutral and AC line.

**Environmental Conditions**

Operating Temperature	0 to 40°C
Storage Temperature	-20 to 85°C
Storage Humidity	5% to 90 %
Altitude	From sea level to 5000 Meter

**Mechanical Specifications**

Dimensions W x D x H [mm]	49x113x35
Net weight [gram]	300
AC Inlet	C14, C8, C6, C18

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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