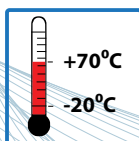


**HIGH EFFICIENCY, SWITCHING POWER SUPPLIES**

**ACCESSORIES**
**FEATURES**

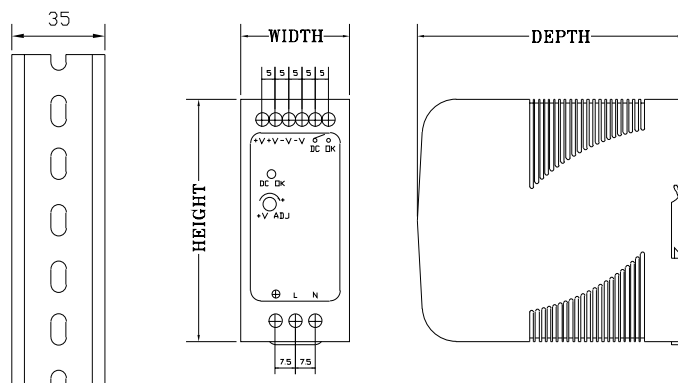
- Supports media converters, managed & unmanaged switches
- Universal AC input (110/220VAC)
- Wide operating temperature (-20 ~ +70°C)
- Short circuit / Overload / Over voltage / Over temperature protection
- 100% full-load burn in
- Convection cooling – no fans
- High efficiency, switching power supply
- DIN rail mounting (TS-35/7.5 or 15)

**DESCRIPTION**

These power supplies are designed specifically to operate with the DigiNET line of Ethernet products providing long-term, reliable operation in extreme conditions.

**Dimensions**

| Model      | Width (mm/in) | Height (mm/in) | Depth (mm/in)  |
|------------|---------------|----------------|----------------|
| PSH24DC24  | 22.5mm / 0.9" | 90mm / 3.5"    | 100mm / 3.9"   |
| PSH24DC40  | 40mm / 1.6"   | 90mm / 3.5"    | 100mm / 3.9"   |
| PSH48DC40  | 40mm / 1.6"   | 90mm / 3.5"    | 100mm / 3.9"   |
| PSH48DC90  | 55mm / 2.7"   | 90mm / 3.5"    | 100mm / 3.9"   |
| PSH48DC120 | 40mm / 1.6"   | 125.2mm / 4.9" | 113mm / 4.5"   |
| PSH48DC240 | 63mm / 2.5"   | 125.2mm / 4.9" | 113.5mm / 4.5" |
| PSH48DC480 | 85.5mm / 4.4" | 125.2mm / 4.9" | 128.5mm / 5.0" |



Install DIN rail TS35/7.5 or TS35/15

## SPECIFICATIONS

| Model         |                           | PSH24DC24                                                                    | PSH24DC40                                                                    | PSH48DC40                                                                    | PSH48DC90                                                                                                                                           | PSH48DC120                                                                | PSH48DC240                                                                   | PSH48DC480                                                                   |
|---------------|---------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| OUTPUT        | DC Voltage                | 24V                                                                          | 24V                                                                          | 48V                                                                          | 48V                                                                                                                                                 | 48V                                                                       | 48V                                                                          | 48V                                                                          |
|               | Rated Current             | 1A                                                                           | 1.7A                                                                         | 0.83A                                                                        | 2A                                                                                                                                                  | 2.5A                                                                      | 5A                                                                           | 10A                                                                          |
|               | Current Range             | 0 ~ 1A                                                                       | 0 ~ 1.7A                                                                     | 0 ~ 0.83A                                                                    | 0 ~ 5A                                                                                                                                              | 0 ~ 2.5A                                                                  | 0 ~ 5A                                                                       | 0 ~ 10A                                                                      |
|               | Rated Power               | 24W                                                                          | 40.8W                                                                        | 39.8W                                                                        | 96W                                                                                                                                                 | 120W                                                                      | 240W                                                                         | 480W                                                                         |
|               | Peak Current              | --                                                                           | --                                                                           | --                                                                           | --                                                                                                                                                  | 3.75A                                                                     | 7.5A                                                                         | 15A                                                                          |
|               | Peak Power (note 6)       | --                                                                           | --                                                                           | --                                                                           | --                                                                                                                                                  | 180W (3sec)                                                               | 360W (3sec)                                                                  | 720W (3sec)                                                                  |
|               | Ripple & Noise            | 150mVp-p                                                                     | 150mVp-p                                                                     | 200mVp-p                                                                     | 200mVp-p                                                                                                                                            | 120mVp-p                                                                  | 120mVp-p                                                                     | 120mVp-p                                                                     |
|               | Voltage Adj. Range        | 21.6 ~ 26.4V                                                                 | 24 ~ 30V                                                                     | 48 ~ 56V                                                                     | 48 ~ 56V                                                                                                                                            | 48 ~ 55V                                                                  | 48 ~ 55V                                                                     | 48 ~ 55V                                                                     |
|               | Voltage Tolerance         | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                                                                                               | 1.0%                                                                      | ±1.0%                                                                        | ±1.0%                                                                        |
|               | Line Regulation           | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                                                                                               | 0.5%                                                                      | ±0.5%                                                                        | ±0.5%                                                                        |
|               | Load Regulation           | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                        | ±1.0%                                                                                                                                               | 1.0%                                                                      | ±1.0%                                                                        | ±1.0%                                                                        |
| INPUT         | Voltage Range             | 85 ~ 264VAC,<br>120 ~ 370VDC                                                 | 85 ~ 264VAC,<br>120 ~ 370VDC                                                 | 85 ~ 264VAC,<br>120 ~ 370VDC                                                 | 85 ~ 264VAC,<br>120 ~ 370VDC                                                                                                                        | 88 ~ 264VAC,<br>124 ~ 370VDC                                              | 88 ~ 265VAC,<br>124 ~ 370VDC                                                 | 85 ~ 265VAC,<br>120 ~ 370VDC                                                 |
|               | Frequency Range           | 47 ~ 63Hz                                                                    | 47 ~ 63Hz                                                                    | 47 ~ 63Hz                                                                    | 47 ~ 63Hz                                                                                                                                           | 47 ~ 63Hz                                                                 | 47 ~ 63Hz                                                                    | 47 ~ 63Hz                                                                    |
|               | Efficiency (typ.)         | 84%                                                                          | 88%                                                                          | 88%                                                                          | 88%                                                                                                                                                 | 90.5%                                                                     | 94%                                                                          | 94%                                                                          |
|               | AC Current (typ.)         | 0.55A/115VAC,<br>0.35A/230VAC                                                | 1.1A/115VAC,<br>0.7A/230VAC                                                  | 1.1A/115VAC,<br>0.7A/230VAC                                                  | 1.3A/115VAC,<br>0.8A/230VAC                                                                                                                         | 1.4A/115VAC,<br>0.7A/230VAC                                               | 2.6A/115VAC,<br>1.3A/230VAC                                                  | 5A/115VAC,<br>2.5A/230VAC                                                    |
|               | Inrush Current (typ.)     | Cold Start<br>20A/115VAC,<br>40A/230VAC                                      | Cold Start<br>30A/115VAC,<br>60A/230VAC                                      | Cold Start<br>30A/115VAC,<br>60A/230VAC                                      | Cold Start<br>30A/115VAC,<br>60A/230VAC                                                                                                             | 35A/115VAC,<br>70A/230VAC                                                 | 33A/115VAC,<br>65A/230VAC                                                    | 40A/115VAC,<br>80A/230VAC                                                    |
|               | Leakage Current           | <1mA/240VAC                                                                  | <1mA/240VAC                                                                  | <1mA/240VAC                                                                  | <1mA/240VAC                                                                                                                                         | <1mA / 240VAC                                                             | <1mA/240VAC                                                                  | <0.8mA/240VAC                                                                |
| ENVIRONMENTAL | Operating Temperature     | -20 ~ +70 deg C                                                              | -20 ~ +70 deg C                                                              | -20 ~ +70 deg C                                                              | -10 ~ +60 deg C                                                                                                                                     | -25 ~ +70 deg C                                                           | -25 ~ +70 deg C                                                              | -25 ~ +70 deg C                                                              |
|               | Storage Temp/<br>Humidity | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                            | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                            | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                            | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                                                                                                   | -40 ~ +85 deg C,<br>10 - 95%RH,<br>non-condensing                         | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                            | -40 ~ +85 deg C,<br>10 - 90%RH,<br>non-condensing                            |
|               | Operating Humidity        | 20 ~90% RH,<br>non-condensing                                                | 20 ~90% RH,<br>non-condensing                                                | 20 ~90% RH,<br>non-condensing                                                | 20 ~ 90% RH<br>non-condensing                                                                                                                       | 20 ~95% RH,<br>non-condensing                                             | 20 ~90% RH, non-<br>condensing                                               | 20 ~95% RH,<br>non-condensing                                                |
|               | Vibration                 | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle,<br>each along X, Y,<br>Z axis | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle,<br>each along X, Y,<br>Z axis | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle,<br>each along X, Y,<br>Z axis | Component :<br>10 ~ 500Hz, 2G<br>10min./1cycle,<br>period for<br>60min. each<br>along X, Y, Z<br>axes ; Mounting<br>: Compliance to<br>IEC60068-2-6 | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle, each<br>along X, Y, Z axis | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle,<br>each along X, Y,<br>Z axis | Component:<br>10 ~ 500Hz, 2G<br>10min/1 cycle,<br>each along X, Y,<br>Z axis |
| OTHER         | MTBF                      | 236.9Khrs, min                                                               | 301.7Khrs, min                                                               | 301.7Khrs, min                                                               | 346Khrs, min                                                                                                                                        | 289.9Khrs min                                                             | 169.3Khrs, min                                                               | 112.9Khrs, min                                                               |
|               | Dimensions                | 22.5 x 90 x 100mm<br>0.9 x 3.5 x 3.9"<br>(WxHxD)                             | 40 x 90 x 100mm<br>1.6 x 3.5 x 3.9"<br>(WxHxD)                               | 40 x 90 x 100mm<br>1.6 x 3.5 x 3.9"<br>(WxHxD)                               | 55 x 90 x 100mm<br>2.17 x 3.5 x 3.9"<br>(W x H x D)                                                                                                 | 40 x 125.2 x 113mm<br>1.6 x 4.9 x 4.5"<br>(WxHxD)                         | 63 x 125.2 x 113.5mm<br>2.5 x 4.9 x 4.5"<br>(WxHxD)                          | 85.5 x 125.2 x<br>128.5mm<br>4.4 x 4.9 x 5.0"<br>(WxHxD)                     |
|               | Weight                    | 0.2Kg (0.44lb)                                                               | 0.3Kg (0.7lb)                                                                | 0.3Kg (0.7lb)                                                                | 0.42Kg (0.93lb)                                                                                                                                     | 0.67Kg (1.7lb)                                                            | 1.03Kg (2.3lb)                                                               | 1.6Kg (3.5lb)                                                                |