



## External Power Supplies

**RoHS**

- ◆ Low Profile Light Weight
- ◆ Single and Multiple Outputs
- ◆ 2 Wire or 3 Wire Input Versions
- ◆ Wide Range Input
- ◆ Low Conducted EMI

| MODELS                       |     | DT27  | DT36PW    |
|------------------------------|-----|---|-----------|
| ITEMS                        |     |   |           |
| Maximum Output Power         | W   | 27W   | 36W       |
| Number of Outputs            | -   | 2   | 1         |
| Minimum Load                 | -   | yes   | no        |
| Input Voltage Range          | -   | 90~264VAC (47~63Hz)                             |           |
| Efficiency                   | -   | 75% (typical)                                   |           |
| Inrush Current (@120VAC)     | A   | 50A   | 50A       |
| Size (L x W x H)             | mm  | 106x60x30                                       | 106x60x30 |
| Regulation (1)               | -   | Line: Typically 1%, Load: Typically 5%          |           |
| Ripple/Noise (1)             | -   | Typically 1%                                    |           |
| Overcurrent Protection       | -   | Short Circuit, auto restart                     |           |
| Overvoltage Protection       | -   | +5V only  | 150% max  |
| Hold Up Time (120VAC)        | ms  | 10  | 10        |
| Operating Temperature        | °C  | 0~40°C  |           |
| Storage Temperature          | °C  | -40~70°C  | -40~70°C  |
| EMI                          | -   | FCC Class B, EN55022B, (EN50081-1 DT15W, DT30U) |           |
| Safety                       | -   | UL60950-1, CSA 22.2 234, EN60950-1              |           |
| Input Connector              | -   | IEC320 C7                                       | IEC320 C7 |
| Output Cable                 | m   | 1.0   | 1.0       |
| Output Connector ID x OD (1) | mm  | -   | 2.1 x 5.5 |
| Center Pin                   | -   | -   | Positive  |
| Warranty                     | yrs | One year  |           |

| MODELS                   |     | DT45PW                                 | DT60PWxxxP | DT60PW201 | DT70PWxxxP | DT100PW        |
|--------------------------|-----|--|------------|-----------|------------|----------------|
| ITEMS                    |     |  |            |           |            |                |
| Maximum Output Power     | W   | 45W                                    | 60W        | 60W       | 70W        | 100W           |
| Number of Outputs        | -   | 3                                      | 1          | 2         | 1          | 1              |
| Minimum Load             | -   | yes                                    | no         | yes       | no         | no             |
| Input Voltage Range      | -   | 90~264VAC (47~63Hz)                    |            |           |            | 90-132/180-264 |
| Efficiency (typical)     | -   | 75%                                    | 75%        |           |            |                |
| Inrush Current (@115VAC) | A   | 27A                                    | 27A        |           |            | 50A            |
| Size (L x W x H)         | mm  | 130x69x40                              | 130x69x40  | 154x85x53 |            | 185x105x60     |
| Regulation (1)           | -   | Line: Typically 1%, Load: Typically 5% |            |           |            |                |
| Ripple/Noise (1)         | -   | Typically 1%                           |            |           |            |                |
| Overcurrent Protection   | -   | Short Circuit, auto restart            |            |           |            | Shutdown       |
| Overvoltage Protection   | -   | +5V only                               | 150% max   | +5V only  | +5V only   | 150% max       |
| Hold Up Time (115VAC)    | ms  | 10                                     |            |           |            |                |
| Operating Temperature    | °C  | 0~40°C                                 |            |           |            |                |
| Storage Temperature      | °C  | -40~70°C                               |            |           |            |                |
| EMI                      | -   | FCC Class B, EN55022B                  |            |           |            |                |
| Safety                   | -   | UL60950-1, CSA 22.2 60950-1, EN60950-1 |            |           |            |                |
| Input Connector          | -   | IEC320 C13                             |            |           |            |                |
| Output Cable (minimum)   | m   | 1.0                                    | 1.0        | 1.0       | 1.0        | 1.0            |
| Warranty                 | yrs | One year                               |            |           |            |                |

(1) See Lambda website for full specification

## Output Ratings

| Model                 | Max Output (W) | Output | Voltage (V) | Min Load (A) | Max Output (A) | Peak Load (A) |
|-----------------------|----------------|--------|-------------|--------------|----------------|---------------|
| <b>Single Output</b>  |                |        |             |              |                |               |
| DT36PW050P            | 20.0           | V1     | 5           | 0            | 4              | -             |
| DT36PW090P            | 27.0           | V1     | 9           | 0            | 3              | -             |
| DT36PW120P            | 30.0           | V1     | 12          | 0            | 2.5            | -             |
| DT36PW150P            | 36.0           | V1     | 15          | 0            | 2.4            | -             |
| DT36PW180P            | 36.0           | V1     | 18          | 0            | 2              | -             |
| DT36PW240P            | 36.0           | V1     | 24          | 0            | 1.5            | -             |
| DT60PW090P            | 40.5           | V1     | 9           | 0            | 4.5            | -             |
| DT60PW120P            | 39.6           | V1     | 12          | 0            | 3.3            | -             |
| DT60PW150P            | 60.0           | V1     | 15          | 0            | 4              | -             |
| DT60PW180P            | 59.4           | V1     | 18          | 0            | 3.3            | -             |
| DT60PW240P            | 60.0           | V1     | 24          | 0            | 2.5            | 3             |
| DT70PW050P            | 40.0           | V1     | 5           | 0            | 8              | 10            |
| DT70PW090P            | 50.4           | V1     | 9           | 0            | 5.6            | -             |
| DT70PW120P            | 50.4           | V1     | 12          | 0            | 4.2            | -             |
| DT70PW135P            | 70.0           | V1     | 13.5        | 0            | 5.2            | -             |
| DT70PW150P            | 69.0           | V1     | 15          | 0            | 4.6            | -             |
| DT70PW180P            | 70.2           | V1     | 18          | 0            | 3.9            | -             |
| DT70PW240P            | 69.6           | V1     | 24          | 0            | 2.9            | -             |
| DT100PW240P           | 100.0          | V1     | 24          | 0            | 4.2            | -             |
| DT100PW480P           | 100.0          | V1     | 48          | 0            | 2.1            | -             |
| <b>Dual Outputs</b>   |                |        |             |              |                |               |
| DT27PW201             | 27.0           | V1     | 5.1         | 0.5          | 5              | -             |
|                       |                | V2     | 12          | 0.24         | 1.5            | -             |
| DT60PW201             | 60.0           | V1     | 5.1         | 0.5          | 6              | 8             |
|                       |                | V2     | 12          | 0.1          | 2              | 3             |
| <b>Triple Outputs</b> |                |        |             |              |                |               |
| DT45PW301             | 45.0           | V1     | 5           | 0.5          | 5              | -             |
|                       |                | V2     | 12          | 0.3          | 1.5            | 2             |
|                       |                | V3     | -12         | 0            | 0.3            | -             |

## Line Cord Accessories

|                               |             |                                 |
|-------------------------------|-------------|---------------------------------|
| DT27,<br>DT36PW               | RLMDT361800 | US Plug to IEC320 C7 1.8m long  |
| DT45,<br>DT60, DT70,<br>DT100 | RLMDT701800 | US Plug to IEC320 C13 1.8m long |

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/dt-series.htm](http://us.tdk-lambda.com/lp/products/dt-series.htm)