

## Features

### LED DRIVER

- 25W Class II AC-DC LED Power Supply
- 350mA, 700mA, 1050mA Output
- Active Power Factor Correction >0.90
- Efficiency to 85%
- EN and UL

#### Selection Guide

| Part Number | Rated Power (W) | Output Current (mA) | Output Voltage (VDC) | Efficiency (typ.) |
|-------------|-----------------|---------------------|----------------------|-------------------|
| RACD25-500  | 25              | 500                 | 42 - 52              | 82%               |
| RACD25-700  | 25              | 700                 | 21 - 36              | 85%               |
| RACD25-1050 | 25              | 1050                | 16 - 24              | 84%               |
| RACD25-1400 | 25              | 1400                | 12-18                | 83%               |

#### Specifications (measured at 230VAC and 25°C ambient temperature)

|                             |                             |                                        |
|-----------------------------|-----------------------------|----------------------------------------|
| Input Voltage Range         | 90-295 VAC or 127-417 VDC   |                                        |
| Input Frequency Range       | 47-63Hz                     |                                        |
| Power Factor                | Full Load, 240VAC           | >0.90                                  |
|                             | Full Load, 115VAC           | >0.98                                  |
| Current Accuracy            | 700mA Version               | ±7%                                    |
|                             | others                      | ±8%                                    |
| AC Input Current            | 120VAC                      | 0.4A                                   |
|                             | 240VAC                      | 0.2A                                   |
| Inrush Current (<2ms)       | 264VAC                      | Cold Start 20A                         |
| Isolation Voltage           | 3.75kVAC                    |                                        |
| Short Circuit Protection    | Continuous                  |                                        |
| Over Voltage Protection     | 110% - 150%                 |                                        |
| Over Temperature Protection | Rth                         | Internal Thermistor                    |
|                             | Type                        | Auto-Recovery Mode                     |
| Vibration                   | 10-500Hz                    | 2G for 60 min. each along X, Y, Z axes |
| Storage Humidity            | 10% - 95% RH                |                                        |
| Operating Humidity          | 20% - 95% RH Non-Condensing |                                        |
| Weight                      | 220g                        |                                        |
| Dimension                   | 174.5 x 30.5 x 25mm         |                                        |
| Operating Temperature       | -20°C to +50°C              |                                        |
| Storage Temperature         | -40°C to +80°C              |                                        |
| Ripple & Noise              | 3V max.                     |                                        |
| IP Rating                   | IP65                        |                                        |
| Isolation Resistance        | 100MΩ / 500VDC at 25°C      |                                        |
| Safety Standards            | EN61347-1                   |                                        |
|                             | EN61347-2-13                |                                        |
|                             | UL8750                      |                                        |
|                             | EN61000-3-2 Class C         |                                        |
|                             | EN61000-4-2,3,4,5,6,11      |                                        |
|                             | EN61547                     |                                        |
|                             | EN55015 FCC15               |                                        |
| MTBF (+25°C)                | using MIL-HDBK 217F         | 200 x 10 <sup>3</sup> hours min.       |

RACD25

**LIGHTLINE**  
AC/DC-Converter  
with 5 year Warranty

**RECOM**

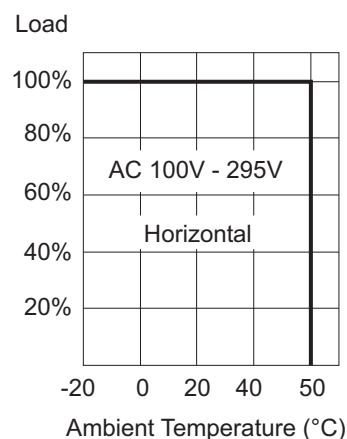
**25 Watt PFC  
Single  
Output**



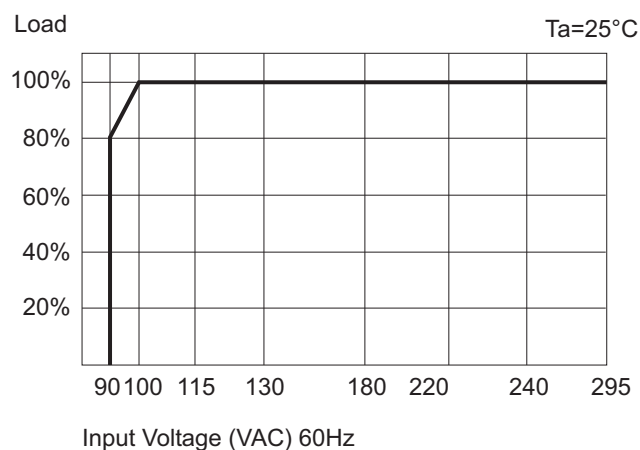
**UL 8750 Certified  
EN 61347 Certified**

**RACD25**

**Derating-Graph**  
(Ambient Temperature)



## Typical Characteristics



## Package Style & Pinning

