



# LED-драйверы во влагозащитном корпусе серии OWA

## Технические характеристики



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# OWA series

60~120W External Moistureproof Plastic Case

## Features

- Constant voltage + constant current modes
- Universal AC input / Full range (180~264VAC input only for OWA-120E)
- Built-in active PFC function (OWA-90/120)
- High efficiency up to 91%
- No load power consumption <0.15W
- Energy efficiency Level VI
- Fully encapsulated with IP67 level for power body
- Isolation class II, no F.G.
- Class 2 power unit (OWA-60 & OWA-90-20~54)
- Protections: Short circuit / Over current / Over voltage / Over temp.
- Suitable for dry and damp location
- 5 years warranty

| INPUT         |        |
|---------------|--------|
| OWA-60/90/120 |        |
| U-Type        | E-Type |
|               |        |
| OUTPUT        |        |
| OWA-60        |        |
| U-Type        | E-Type |
|               |        |
| OWA-90/120    |        |
| U-Type        | E-Type |
|               |        |



|                           |        |        |                                                                                        |                                                                                                                                                         |                                                                              |
|---------------------------|--------|--------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| AC input voltage range    |        |        | 90~264VAC ; 127~370VDC (180~264VAC ; 254~370VDC for OWA-120E)                          |                                                                                                                                                         |                                                                              |
| AC inrush current (max.)  |        |        | Cold start, 65A at 230VAC                                                              |                                                                                                                                                         | Cold start, 60A at 230VAC                                                    |
| Over current protection   |        |        | 95%~108% constant current limiting, auto-recovery                                      |                                                                                                                                                         |                                                                              |
| Over voltage protection   |        |        | 110%~140% rated output voltage                                                         |                                                                                                                                                         |                                                                              |
| Over temp. protection     |        |        | Shut down output voltage, re-power on to recover                                       |                                                                                                                                                         |                                                                              |
| Setup, rise, hold up time |        |        | 500ms, 80ms, 16ms at full load and 230VAC                                              |                                                                                                                                                         |                                                                              |
| Withstand voltage         |        |        | I/P-O/P: 3.75KVAC                                                                      |                                                                                                                                                         |                                                                              |
| Working temperature       |        |        | -35~+70°C                                                                              |                                                                                                                                                         | -40~+70°C (refer to output derating curve)                                   |
| Safety standards          |        | U-Type | UL8750 Listed approved                                                                 |                                                                                                                                                         |                                                                              |
|                           |        | E-Type | DEKRA IEC/EN60335-1(except for 48~54V), IEC/EN61558-1, EN61558-2-16 approved           | TUV EN60335-1(except for 42~54V), EN61558-1, EN61558-2-16 approved                                                                                      | DEKRA IEC/EN60335-1(except for 48~54V), IEC/EN61558-1, EN61558-2-16 approved |
| EMC standards             |        |        | U-Type: FCC Part 15; E-Type: EN55014, EN55022 class B, EN61000-3-2, -3                 |                                                                                                                                                         |                                                                              |
| Connection                | Input  | Plug   | U-Type: NEMA 1-15P plug; E-Type: CEE 7/7 EU plug                                       |                                                                                                                                                         |                                                                              |
|                           |        | Cable  | U-Type: UL rated, SVT 18AWGx2C (150cm); E-Type: H05RN-F 1.0mm <sup>2</sup> x2C (150cm) |                                                                                                                                                         |                                                                              |
|                           | Output | Plug   | 2.1φ x 5.5φ x 11mm / C+                                                                | U-Type: Power DIN 4P (with lock) type, or 2.5φ x 5.5φ x 11mm/C+, tuning fork type (20~54V only)<br>E-Type : XLR 4P, male type                           |                                                                              |
|                           |        | Cable  | U-Type : UL1185 16AWG x 2C (30cm);<br>E-Type : H05RN-F 1.0mm <sup>2</sup> x 2C (30cm)  | U-Type: UL2464 18AWGx4C (30cm) for Power DIN 4P type;<br>UL2464 16AWGx2C (30cm) for tuning fork type;<br>E-Type : H05RN-F 1.0mm <sup>2</sup> x2C (30cm) |                                                                              |
|                           |        |        |                                                                                        | U-Type: UL2464 18AWGx4C (30cm);<br>E-Type : H07RN-F 1.5mm <sup>2</sup> x2C (30cm)                                                                       |                                                                              |
| Dimension (LxWxH)(mm)     |        |        | 130× 53× 35                                                                            |                                                                                                                                                         | 171× 63× 37.5                                                                |
|                           |        |        |                                                                                        |                                                                                                                                                         | 191× 63× 37.5                                                                |

## OWA-60 Series

| Model No.  | Output       | Tol. | R&N   | Effi. |
|------------|--------------|------|-------|-------|
| OWA-60□-12 | 12V, 0~5A    | ±4%  | 150mV | 88%   |
| OWA-60□-15 | 15V, 0~4A    | ±4%  | 150mV | 89%   |
| OWA-60□-20 | 20V, 0~3A    | ±4%  | 150mV | 89%   |
| OWA-60□-24 | 24V, 0~2.5A  | ±3%  | 150mV | 90%   |
| OWA-60□-30 | 30V, 0~2A    | ±3%  | 200mV | 90%   |
| OWA-60□-36 | 36V, 0~1.67A | ±2%  | 200mV | 90%   |
| OWA-60□-42 | 42V, 0~1.5A  | ±1%  | 250mV | 90%   |
| OWA-60□-48 | 48V, 0~1.25A | ±1%  | 250mV | 91%   |
| OWA-60□-54 | 54V, 0~1.12A | ±1%  | 350mV | 91%   |

□ = U / E; U: American 2P, E: European 2P

## OWA-90 Series

| Model No.    | Output       | Tol. | R&N   | Effi. |
|--------------|--------------|------|-------|-------|
| OWA-90□-12   | 12V, 0~7.5A  | ±4%  | 150mV | 89%   |
| OWA-90□-15   | 15V, 0~6A    | ±4%  | 150mV | 90%   |
| OWA-90□-20-△ | 20V, 0~4.5A  | ±4%  | 150mV | 90%   |
| OWA-90□-24-△ | 24V, 0~3.75A | ±3%  | 150mV | 90%   |

| Model No.    | Output       | Tol. | R&N   | Effi. |
|--------------|--------------|------|-------|-------|
| OWA-90□-30-△ | 30V, 0~3A    | ±3%  | 200mV | 90%   |
| OWA-90□-36-△ | 36V, 0~2.5A  | ±2%  | 200mV | 91%   |
| OWA-90□-42-△ | 42V, 0~2.15A | ±1%  | 250mV | 91%   |
| OWA-90□-48-△ | 48V, 0~1.88A | ±1%  | 250mV | 91%   |
| OWA-90□-54-△ | 54V, 0~1.67A | ±1%  | 350mV | 91%   |

□ = U / E; U: American 2P, E: European 2P  
△ = Blank/P1M; Blank: Power DIN 4P with lock type,  
P1M: 2.5φ x 5.5φ x 11mm/C+, tuning fork type

## OWA-120 Series

| Model No.   | Output      | Tol. | R&N   | Effi. |
|-------------|-------------|------|-------|-------|
| OWA-120□-12 | 12V, 0~10A  | ±4%  | 150mV | 87.5% |
| OWA-120□-15 | 15V, 0~8A   | ±4%  | 150mV | 89%   |
| OWA-120□-20 | 20V, 0~6A   | ±4%  | 150mV | 90%   |
| OWA-120□-24 | 24V, 0~5A   | ±4%  | 150mV | 90.5% |
| OWA-120□-30 | 30V, 0~4A   | ±3%  | 200mV | 90%   |
| OWA-120□-36 | 36V, 0~3.4A | ±2%  | 200mV | 90%   |
| OWA-120□-42 | 42V, 0~2.9A | ±1%  | 250mV | 90.5% |
| OWA-120□-48 | 48V, 0~2.5A | ±1%  | 250mV | 90.5% |
| OWA-120□-54 | 54V, 0~2.3A | ±1%  | 350mV | 90.5% |

□ = U / E; U: American 2P, E: European 2P

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