

# VEGA 75W - 320W FPD IP67



Direct current dimmable electronic drivers  
Alimentatori elettronici regolabili in corrente continua



| Article - Articolo   | Code - Codice |
|----------------------|---------------|
| FPD PROGRAMMING TOOL | 127098        |



<sup>(1)</sup> Referred to  $V_{in} = 230\text{ V}$ , 100% load  
Riferito a  $V_{in} = 230\text{ V}$ , carico 100%

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High power programmable

**Rated Voltage**  
Tensione Nominale  
110 ÷ 277 V

**Frequency**  
Frequenza  
50/60 Hz

**AC Operation range**  
Tensione di utilizzo AC  
99 ÷ 305 V

**Power**  
Potenza  
18 ÷ 320 W

**Output current ripple**  
 $\leq 5\%$  <sup>(1)</sup>

**Reference Norms**  
Norme di riferimento  
EN 55015

EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
VDE 0710-T14

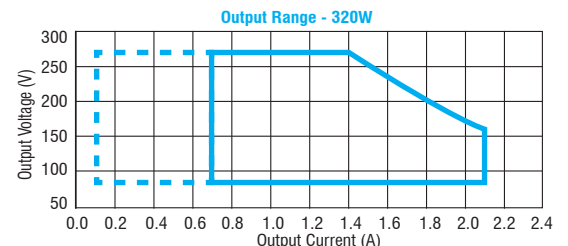
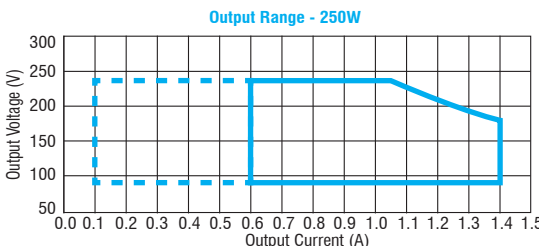
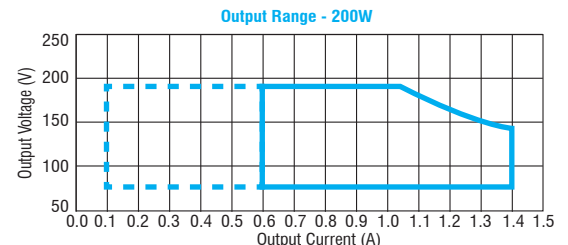
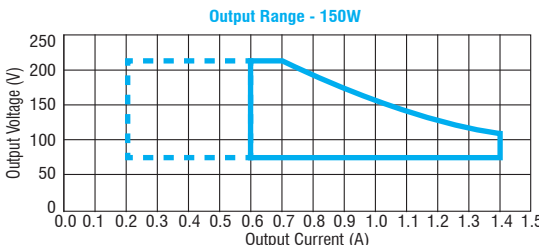
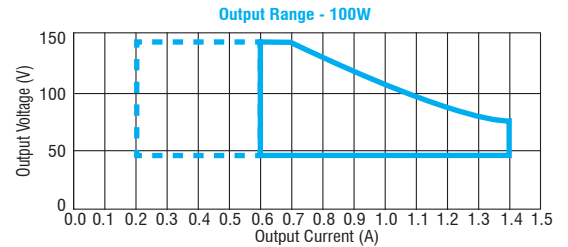
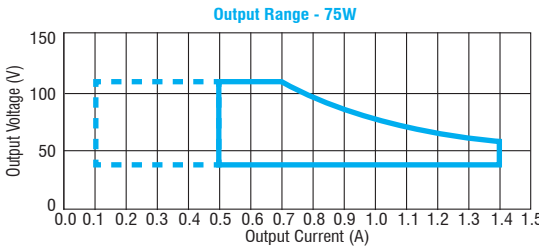
**Max. pcs for CB B16A**  
(see page info17)

75W: 8 pcs  
100W: 8 pcs  
150W: 5 pcs  
200W: 4 pcs  
250W: 2 pcs  
320W: 3 pcs

**In rush current**  
75W: 65A 250 $\mu$ sec  
100W: 65A 250 $\mu$ sec  
150W: 110A 250 $\mu$ sec  
200W: 180A 200 $\mu$ sec  
250W: 280A 150 $\mu$ sec  
320W: 180A 250 $\mu$ sec

**Power Factor**  
75W:  $\lambda$  for  $P_o=39\text{ W}$   
100W:  $\lambda$  for  $P_o=34\text{ W}$   
150W:  $\lambda$  for  $P_o=55\text{ W}$   
200W:  $\lambda$  for  $P_o=53\text{ W}$   
250W:  $\lambda$  for  $P_o=76\text{ W}$   
320W:  $\lambda$  for  $P_o=67\text{ W}$

| Article<br>Articolo        | Code<br>Codice | P out<br>W | V out<br>DC <sup>(1)</sup> | I out<br>DC         | Default<br>I out<br>DC | V out<br>max. | ta<br>°C  | tc<br>°C | $\lambda$ max.<br>Power<br>Factor <sup>(2)</sup> | $\eta$ max.<br>Efficiency <sup>(1)</sup> |
|----------------------------|----------------|------------|----------------------------|---------------------|------------------------|---------------|-----------|----------|--|--|
| VEGA 75/500-1400 FPD IP67  | 127804         | 18...75    | 36...107                   | 500...1400 mA cost. | 700 mA                 | 120           | -40...+60 | 85       | 0,95   | > 92                                     |
| VEGA 100/600-1400 FPD IP67 | 127805         | 28...100   | 47...143                   | 600...1400 mA cost. | 700 mA                 | 150           | -40...+60 | 85       | 0,95   | > 92                                     |
| VEGA 150/600-1400 FPD IP67 | 127806         | 43...150   | 72...214                   | 600...1400 mA cost. | 700 mA                 | 250           | -40...+60 | 85       | 0,95   | > 93                                     |
| VEGA 200/600-1400 FPD IP67 | 127807         | 45...200   | 75...190                   | 600...1400 mA cost. | 1050 mA                | 230           | -40...+60 | 90       | 0,95   | > 94                                     |
| VEGA 250/600-1400 FPD IP67 | 127808         | 54...250   | 90...238                   | 600...1400 mA cost. | 1050 mA                | 250           | -40...+55 | 90       | 0,95   | > 94                                     |
| VEGA 320/700-2100 FPD IP67 | 127809         | 63...320   | 90...225                   | 700...2100 mA cost. | 1400 mA                | 250           | -40...+50 | 90       | 0,95   | > 94                                     |



— Programmed Range    - - - - 1-10V DIM Range

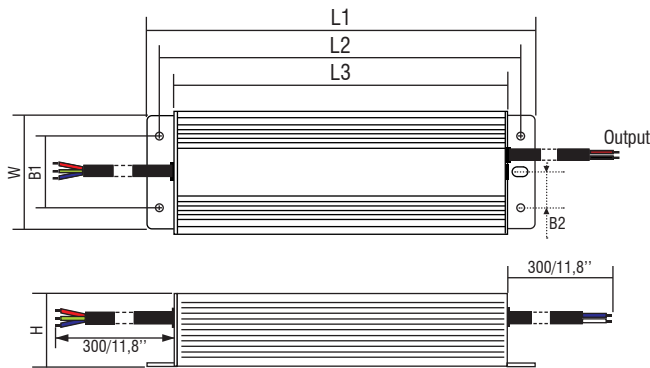
## Features

- **Multipower driver with programmable current.**
- IP67 independent driver.
- Class I protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Auxiliary output 12 V max. 50 mA.
- Analogical input for thermal sensor connection.
- Current regulation  $\pm 10\%$  including temperature variations.
- Cables on primary and secondary circuits for connection.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

## Caratteristiche

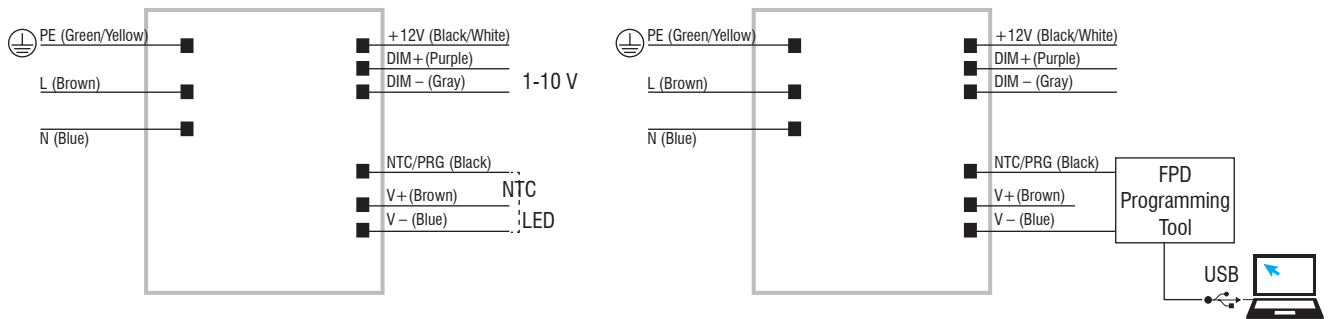
- **Alimentatore multipotenza con correnti programmabili.**
- Alimentatore indipendente IP67.
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Uscita ausiliare 12 V max. 50 mA.
- Entrata analogica per sensore termico.
- Corrente regolata  $\pm 10\%$  incluse variazioni di temperatura.
- Fornito di cavi su primario e secondario per il collegamento.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

**Direct current dimmable electronic drivers**  
**Alimentatori elettronici regolabili in corrente continua**



| Dimensions - Dimensioni               |     |     |     |     |    |    |    |
|---------------------------------------|-----|-----|-----|-----|----|----|----|
| Article<br>Articolo                   | L1  | L2  | L3  | W   | H  | B1 | B2 |
| <b>VEGA 75/500-1400<br/>FPD IP67</b>  | 174 | 165 | 157 | 68  | 37 | 52 | 36 |
| <b>VEGA 100/600-1400<br/>FPD IP67</b> | 174 | 165 | 157 | 68  | 37 | 52 | 36 |
| <b>VEGA 150/600-1400<br/>FPD IP67</b> | 220 | 211 | 203 | 68  | 37 | 52 | 36 |
| <b>VEGA 200/600-1400<br/>FPD IP67</b> | 240 | 231 | 223 | 68  | 37 | 52 | 36 |
| <b>VEGA 250/600-1400<br/>FPD IP67</b> | 240 | 231 | 223 | 68  | 37 | 52 | 36 |
| <b>VEGA 320/700-2100<br/>FPD IP67</b> | 240 | 222 | 211 | 100 | 38 | 70 | 36 |

**Wiring diagrams - Schemi di collegamento** (Max. LED distance at page info8 - Massima distanza LED a pagina info8)



4.4

High power programmable

### Operation Mode

- **FULL PROGRAMMABLE (FPD)** devices allow the user to set different parameters without need of switching on the product.
- The main available features are: **CURRENT** setting (AOC step 1 mA), **MIDNIGHT** functions, **NTC**, **CLO** (Constant Light Output), **1...10 V** dimming ( $I=0,25$  mA).
- The **FULL PROGRAMMABLE (FPD)** functions can be set with the **FPD PROGRAMMING TOOL** interface through **NTC/V-** port.
- Light regulation: 10-100% (minimum dimming current 100 mA).
- Dimming method is linear.

For additional details for regulations see pages info12-14.

### Modalità di funzionamento

- I dispositivi **FULL PROGRAMMABLE (FPD)** permettono all'utente di impostare diversi parametri senza la necessità di accendere il prodotto.
- Le principali caratteristiche disponibili sono: settaggio della **CORRENTE** (AOC step 1 mA), funzioni **MIDNIGHT**, **NTC**, **CLO** (Constant Light Output), dimmerazione **1...10 V** ( $I=0,25$  mA).
- Le funzioni **FULL PROGRAMMABLE (FPD)** possono essere impostate con l'interfaccia **FPD PROGRAMMING TOOL** tramite porta **NTC/V-**.
- Regolazione della luminosità: 10-100% (corrente minima in regolazione 100 mA).
- La dimmerazione è di tipo lineare.

Per ulteriori dettagli sulle regolazioni vedi pagine info12-14.