

Direct current dimmable electronic drivers  
Alimentatori elettronici regolabili in corrente continua



DIM-TO-WARM



| Article - Articolo   | Code - Codice |
|--|---------------|
| FPD PROGRAMMING TOOL   | 127098        |
| LINK TO DOWNLOAD PROGRAMMING SOFTWARE<br>LINK PER SCARICARE SOFTWARE DI PROGRAMMAZIONE<br><a href="http://www.tci.it/TCI_tools/FPD_PROGRAMMING_TOOL_127098.zip">www.tci.it/TCI_tools/FPD_PROGRAMMING_TOOL_127098.zip</a> |               |



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

## 4.4

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

**iTHD**  
≤ 20% <sup>(1)</sup>

**Stand by power**  
≤ 0,5 W

**Output current ripple**  
≤ 5% <sup>(1)</sup>

**Standards compliance**

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

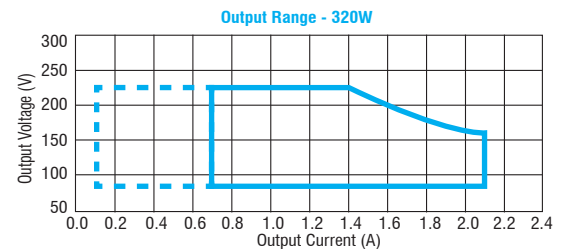
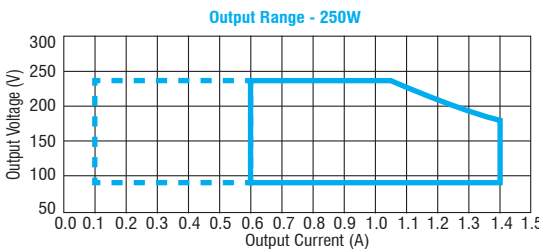
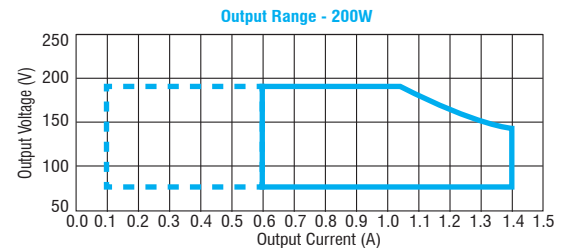
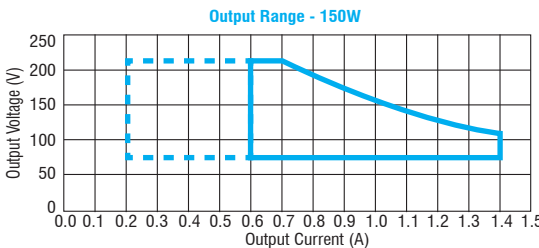
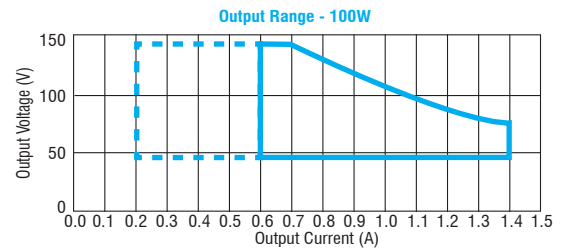
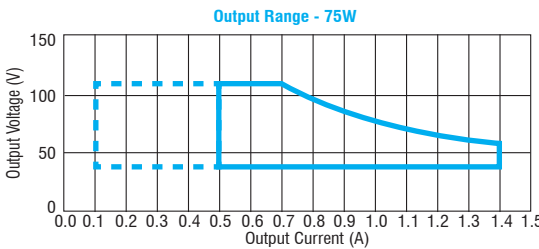
**In rush current**

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  $P_o=39\text{ W}$  <sup>(2)</sup>  
100W:  $\lambda$  for  $P_o=34\text{ W}$  <sup>(2)</sup>  
150W:  $\lambda$  for  $P_o=55\text{ W}$  <sup>(2)</sup>  
200W:  $\lambda$  for  $P_o=53\text{ W}$  <sup>(2)</sup>  
250W:  $\lambda$  for  $P_o=76\text{ W}$  <sup>(2)</sup>  
320W:  $\lambda$  for  $P_o=67\text{ W}$  <sup>(2)</sup>

| 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 | U out<br>V | 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

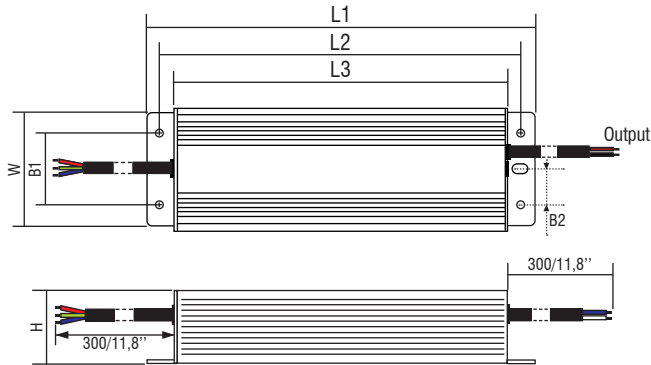
### Features

- **Multipower driver with programmable current.**
- Independent driver with case IP67 (see page info7 for the correct connection of connecting leads).
- 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.
- Supplied with connecting leads 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

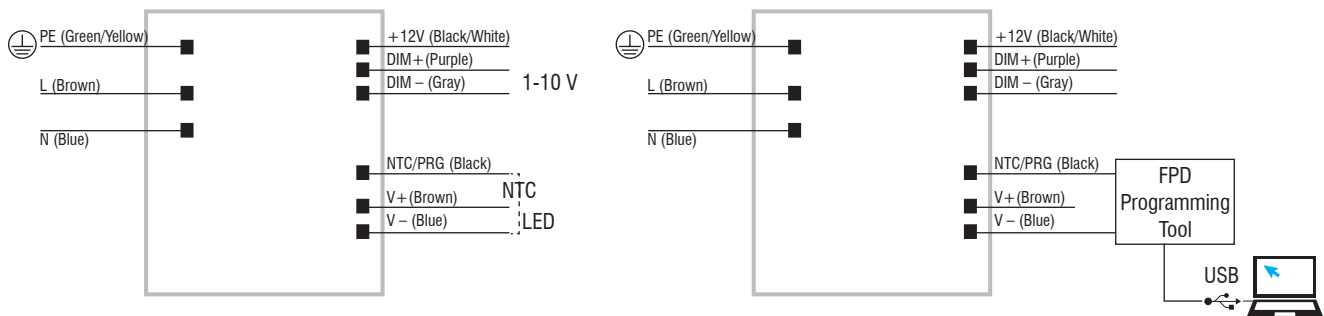
- **Alimentatore multipotenza con correnti programmabili.**
- Alimentatore indipendente con case IP67 (vedi pagina info7 per il corretto collegamento dei cavi di connessione).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Uscita ausiliare 12 V max. 50 mA.
- Entrata analogica per sensore termico.
- Corrente regolata  $\pm 10\%$  incluse variazioni di temperatura.
- Fornito di cavi di connessione 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.

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| Article<br>Articolo               | Dimensions - Dimensioni |     |     |     |    |    |    | Weight - Peso       |
|-----------------------------------|-------------------------|-----|-----|-----|----|----|----|---------------------|
|                                   | L1                      | L2  | L3  | W   | H  | B1 | B2 |                     |
| <b>VEGA 75/500-1400 FPD IP67</b>  | 174                     | 165 | 157 | 68  | 37 | 37 | 18 | gr. 874 / 30,8 oz.  |
| <b>VEGA 100/600-1400 FPD IP67</b> | 174                     | 165 | 157 | 68  | 37 | 37 | 18 | gr. 899 / 31,7 oz.  |
| <b>VEGA 150/600-1400 FPD IP67</b> | 220                     | 211 | 203 | 68  | 37 | 37 | 18 | gr. 1152 / 40,7 oz. |
| <b>VEGA 200/600-1400 FPD IP67</b> | 240                     | 231 | 223 | 68  | 37 | 37 | 18 | gr. 1304 / 46 oz.   |
| <b>VEGA 250/600-1400 FPD IP67</b> | 240                     | 231 | 223 | 68  | 37 | 37 | 18 | gr. 1311 / 46,3 oz. |
| <b>VEGA 320/700-2100 FPD IP67</b> | 240                     | 222 | 211 | 100 | 38 | 37 | 18 | gr. 1774 / 62,6 oz. |

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



### 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.