

# Convertoare DC-DC Orion-Tr izolate

100 / 250 / 400 Watt

RO



Orion-Tr 24/12-20 (240W)



Orion-Tr 24/12-20 (240W)

## Pornire/oprire la distanta

Elimina necesitatea unui intrerupator de curent mare in cablajul de intrare. Poate fi actionat cu un intrerupator de putere mica sau de contactul pornire/oprire al motorului (vezi manualul).

## Tensiune de iesire reglabila - poate fi utilizat si ca incarcator de baterii

De exemplu pentru a incarca o baterie de pornire de 12 V sau o baterie auxiliara intr-un sistem de 24 V.

## Toate modelele sunt protejate la scurtcircuit si pot fi conectate in paralel

Un numar nelimitat de unitati poate fi conectat in paralel.

## Protectie la temperatura ridicata

Curentul de iesire se reduce automat la temperatura ambianta ridicata.

## Protectie IP43

La instalarea cu bornele cu surub orientate in jos.

## Borne cu surub

Nu sunt necesare scule speciale pentru instalare.

## Siguranta de intrare (neinlocuabila)

Doar la modelele cu intrare de 12 V si 24 V.

## Convertoare izolate 110-120 W

|   | Orion-Tr<br>12/12-9<br>(110W) | Orion-Tr<br>12/24-5<br>(120W) | Orion-Tr<br>24/12-9<br>(110W) | Orion-Tr<br>24/24-5<br>(120W) | Orion-Tr<br>24/48-2,5<br>(120W)  | Orion-Tr<br>48/12-9<br>(110W) | Orion-Tr<br>48/24-5<br>(120W) | Orion-Tr<br>48/48-2,5<br>(120W) |
|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|-------------------------------|-------------------------------|---------------------------------|
| Gama tensiunii de intrare                     | 8-17V                         | 8-17V                         | 16-35V                        | 16-35V                        | 16-35V   | 32-70V                        | 32-70V                        | 32-70V                          |
| Opreire la sub tensiune                       | 7V                            | 7V                            | 14V                           | 14V                           | 14V  | 28V                           | 28V                           | 28V                             |
| Repornire la sub tensiune                     | 7,5V                          | 7,5V                          | 15V                           | 15V                           | 15V  | 30V                           | 30V                           | 30V                             |
| Tensiune nominala de iesire                   | 12,2V                         | 24,2V                         | 12,2V                         | 24,2V                         | 48,2V  | 12,2V                         | 24,2V                         | 48,2V                           |
| Reglaj tensiune iesire                        | 10-15V                        | 20-30V                        | 10-15V                        | 20-30V                        | 40-60V   | 10-15V                        | 20-30V                        | 40-60V                          |
| Toleranta tensiune iesire                     |                               |                               |                               |                               | +/- 0,2V   |                               |                               |                                 |
| Zgomot de iesire                              |                               |                               |                               |                               | 2mV rms  |                               |                               |                                 |
| Curent cont. iesire (tens. nom., 25°C / 40°C) | 9A                            | 5A                            | 9A                            | 5A                            | 2,5A   | 9A                            | 5A                            | 2,5A                            |
| Curent max. iesire 10s (tens. nom.)           | 12,5A                         | 6,3A                          | 12,5A                         | 6,3A                          | 3,0A   | 12,5A                         | 6,3A                          | 3,0A                            |
| Curent iesire scurtcircuit                    | 32A                           | 23A                           | 39A                           | 30A                           | 19A  | 27A                           | 25A                           | 17A                             |
| Putere cont. iesire la 25°C                   | 110W                          | 120W                          | 110W                          | 120W                          | 120W   | 110W                          | 120W                          | 120W                            |
| Putere cont. iesire la 40°C                   | 85W                           | 110W                          | 85W                           | 115W                          | 115W   | 85W                           | 100W                          | 85W                             |
| Eficienta                                     | 87%                           | 88%                           | 85%                           | 87%                           | 88%  | 87%                           | 86%                           | 89%                             |
| Curent fara sarcina                           | <50mA                         | <80mA                         | <40mA                         | <60mA                         | <120mA   | <50mA                         | <60mA                         | <80mA                           |
| Izolarea galvanica                            |                               |                               |                               |                               | 200V DC  |                               |                               |                                 |
| Interval temperatura                          |                               |                               |                               |                               | -20...+55°C<br>(3%/°C > 40°C)  |                               |                               |                                 |
| Umiditate                                     |                               |                               |                               |                               | Max. 95%   |                               |                               |                                 |
| Conexiune DC                                  |                               |                               |                               |                               | Csavar/Borne/Schraube  |                               |                               |                                 |
| Sectiune max. cablu                           |                               |                               |                               |                               | 6mm² AWG10   |                               |                               |                                 |
| Greutate                                      |                               |                               |                               |                               | 0,42 kg (1 lb)   |                               |                               |                                 |
| Dimensiuni (h x l x a)                        |                               |                               |                               |                               | 100 x 113 x 47 mm<br>(4.0 x 4.5 x 1.9")  |                               |                               |                                 |
| Standarde (Sig./Emisii/Imunitate/Auto)        |                               |                               |                               |                               | EN 60950 / EN<br>61000-6-3, EN<br>55014-1 / EN<br>61000-6-2, EN<br>61000-6-1, EN<br>55014-2 / ECE<br>R10-4 |                               |                               |                                 |

Vezi pagina a doua pentru modelele de 250 W si 400 W

**Convertoare izolate 220-280 W**

|   | Orion-Tr<br>12/12-18<br>(220W) | Orion-Tr<br>12/24-10<br>(240W) | Orion-Tr<br>24/12-20<br>(240W) | Orion-Tr<br>24/24-12<br>(280W) | Orion-Tr<br>24/48-6<br>(280W)   | Orion-Tr<br>48/12-20<br>(240W) | Orion-Tr<br>48/24-12<br>(280W) | Orion-Tr<br>48/48-6<br>(280W) |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|-------------------------------|
| Gama tensiunii de intrare                     | 8-17V                          | 8-17V                          | 16-35V                         | 16-35V                         | 16-35V  | 32-70V                         | 32-70V                         | 32-70V                        |
| Oprire la subtensiune                         | 7V                             | 7V                             | 14V                            | 14V                            | 14V   | 28V                            | 28V                            | 28V                           |
| Repornire la subtensiune                      | 7,5V                           | 7,5V                           | 15V                            | 15V                            | 15V   | 30V                            | 30V                            | 30V                           |
| Tensiune nominala de iesire                   | 12,2V                          | 24,2V                          | 12,2V                          | 24,2V                          | 48,2V   | 12,2V                          | 24,2V                          | 48,2V                         |
| Reglaj tensiune iesire                        | 10-15V                         | 20-30V                         | 10-15V                         | 20-30V                         | 40-60V  | 10-15V                         | 20-30V                         | 40-60V                        |
| Toleranta tensiune iesire                     |                                |                                |                                |                                | +/- 0,2V  |                                |                                |                               |
| Zgomot de iesire                              |                                |                                |                                |                                | 2mV rms   |                                |                                |                               |
| Curent cont. iesire (tens. nom., 25°C / 40°C) | 18A                            | 10A                            | 20A                            | 12A                            | 6A  | 20A                            | 12A                            | 6A                            |
| Curent max. iesire 10s (tens. nom.)           | 25A                            | 15A                            | 25A                            | 15A                            | 8A  | 25A                            | 15A                            | 8A                            |
| Curent iesire scurtcircuit                    | 40A                            | 25A                            | 50A                            | 30A                            | 25A   | 50A                            | 30A                            | 25A                           |
| Putere cont. iesire la 25°C                   | 280W                           | 280W                           | 300W                           | 320W                           | 320W  | 280W                           | 320W                           | 320W                          |
| Putere cont. iesire la 40°C                   | 220W                           | 240W                           | 240W                           | 280W                           | 280W  | 240W                           | 280W                           | 280W                          |
| Eficienta                                     | 87%                            | 88%                            | 88%                            | 89%                            | 89%   | 87%                            | 89%                            | 89%                           |
| Curent fara sarcina                           | <80mA                          | <100mA                         | <100mA                         | <80mA                          | <120mA  | <80mA                          | <80mA                          | <80mA                         |
| Izolarea galvanica                            |                                |                                |                                |                                | 200V DC   |                                |                                |                               |
| Interval temperatura                          |                                |                                |                                |                                | -20...+55°C (3%/°C>40°C)  |                                |                                |                               |
| Umiditate                                     |                                |                                |                                |                                | Max. 95%  |                                |                                |                               |
| Conexiune DC                                  |                                |                                |                                |                                | Csavar/Borne/Schraube   |                                |                                |                               |
| Sectiune max. cablu                           |                                |                                |                                |                                | 13mm² AWG6  |                                |                                |                               |
| Greutate                                      |                                |                                |                                |                                | 1,3 kg (3 lb)   |                                |                                |                               |
| Dimensiuni (h×l×a)                            |                                |                                |                                |                                | 130×186×70 mm<br>(5.1×7.3×2.8")   |                                |                                |                               |
| Standarde (Sig./Emisii/Imunitate/Auto)        |                                |                                |                                |                                | EN 60950 / EN 61000-6-3,<br>EN 55014-1 / EN<br>61000-6-2, EN 61000-6-1,<br>EN 55014-2 / ECE R10-4 |                                |                                |                               |

**Convertoare izolate 360-400 W**

|   | Orion-Tr<br>12/12-30<br>(360W) | Orion-Tr<br>12/24-15<br>(360W) | Orion-Tr<br>24/12-30<br>(360W) | Orion-Tr<br>24/24-17<br>(400W) | Orion-Tr<br>24/48-8,5<br>(400W) | Orion-Tr<br>48/12-30<br>(360W) | Orion-Tr<br>48/24-16<br>(380W) | Orion-Tr<br>48/48-8<br>(380W) |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|-------------------------------|
| Gama tensiunii de intrare                     | 10-17V                         | 10-17V                         | 20-35V                         | 20-35V                         | 20-35V                          | 40-70V                         | 40-70V                         | 40-70V                        |
| Oprire la subtensiune                         | 7V                             | 7V                             | 14V                            | 14V                            | 14V                             | 28V                            | 28V                            | 28V                           |
| Repornire la subtensiune                      | 7,5V                           | 7,5V                           | 15V                            | 15V                            | 15V                             | 30V                            | 30V                            | 30V                           |
| Tensiune nominala de iesire                   | 12,2V                          | 24,2V                          | 12,2V                          | 24,2V                          | 48,2V                           | 12,2V                          | 24,2V                          | 48,2V                         |
| Reglaj tensiune iesire                        | 10-15V                         | 20-30V                         | 10-15V                         | 20-30V                         | 40-60V                          | 10-15V                         | 20-30V                         | 40-60V                        |
| Toleranta tensiune iesire                     |                                |                                |                                |                                | +/- 0,2V                        |                                |                                |                               |
| Zgomot de iesire                              |                                |                                |                                |                                | 2mV rms                         |                                |                                |                               |
| Curent cont. iesire (tens. nom., 25°C / 40°C) | 30A                            | 15A                            | 30A                            | 17A                            | 8,5A                            | 30A                            | 16A                            | 8A                            |
| Curent max. iesire 10s (tens. nom.)           | 40A                            | 25A                            | 45A                            | 25A                            | 15A                             | 40A                            | 25A                            | 15A                           |
| Curent iesire scurtcircuit                    | 60A                            | 40A                            | 60A                            | 40A                            | 25A                             | 60A                            | 40A                            | 25A                           |
| Putere cont. iesire la 25°C                   |                                |                                |                                |                                | 430W                            |                                |                                |                               |
| Putere cont. iesire la 40°C                   | 360W                           | 360W                           | 360W                           | 400W                           | 400W                            | 360W                           | 380W                           | 380W                          |
| Eficienta                                     | 87%                            | 88%                            | 88%                            | 89%                            | 89%                             | 87%                            | 89%                            | 89%                           |
| Curent fara sarcina                           | <80mA                          | <100mA                         | <100mA                         | <80mA                          | <120mA                          | <80mA                          | <80mA                          | <80mA                         |
| Izolarea galvanica                            |                                |                                |                                |                                | 200V DC                         |                                |                                |                               |
| Interval temperatura                          |                                |                                |                                |                                | -20...+55°C (3%/°C>40°C)        |                                |                                |                               |