Техническое описание  
Orion DC-DC Converters, high power

Non-isolated

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# Orion 24/12-25



**Orion 24/12-40**

Предназначены для преобразования постоянного тока с напряжения 24 Вольта на 12 Вольт и 12 Вольт на 24 Вольта максимальным выходным током до 70 ампер.

Все модели можно использовать в качестве зарядного устройства.

Все модели с регулируемым выходом можно подключать параллельно для увеличения выходного тока.  
Параллельно можно подключить до пяти устройств.

Легко установить



**Orion 24/12-70**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Non isolated  converters | Orion  24/12-25 | Orion  24/12-40 | Orion  24/12-70 | Orion  12/24-8 | Orion  12/24-10 | Orion  12/24-20 |
| Input voltage range (V) | 18-35 | 18-35 | 18-35 | 9-18 | 9-18 | 9-18 |
| Under voltage shutdown (V) | 14 | 14 | 14 | 8 | 8 | 8 |
| Under voltage restart (V) | 18 | 18 | 18 | 10 | 10 | 10 |
| Output voltage  adjustable with potentiometer | yes | no | yes | no | yes | yes |
| Output voltage (V) | Adjustable 10–15V  F set 13,2V | 13,2 | Adjustable 10–15V  F set 13,2V | 24 | Adjustable 20-30V  F set 26,4V | Adjustable 20-30V  F set 26,4V |
| Efficiency (%) | 96 | 95 | 92 | 95 | 95 | 93 |
| Suitable to buffer-charge a battery | yes | no | yes | no | yes | yes |
| Can be connected in parallel | yes | no | yes | no | yes | yes |
| Continuous output current (A) | 25 | 40 | 70 | 8 | 10 | 20 |
| Max. Output current (A) | 35 | 55 | 85 | 20 | 20 | 30 |
| Fan assisted cooling (temp. controlled) | no | yes | yes | no | no | yes |
| Galvanic isolation | no | no | no | no | no | no |
| Off load current | < 15mA | < 20mA | < 20mA | < 10mA | < 15mA | < 30mA |
| Remote on-off | yes | yes | yes | no | no | yes |
| Operating temperature range  (derate 3% per °C above 40°C) | -20 to +55°C | -20 to +55°C | -20 to +55°C | -20 to +55°C | -20 to +55°C | -20 to +55°C |
| DC connection | Faston tabs  6.3 mm | Double Faston tabs  6.3 mm | M6 bolts | Faston tabs  6.3 mm | Faston tabs  6.3 mm | M6 bolts |
| Weight kg | 0,7 | 0,85 | 0,9 | 0,4 | 0,4 | 0,9 |
| (lbs) | (1.55) | (1.9) | (2.0) | (0.8) | (0.9) | (2.0) |
| Dimensions hxwxd in mm  (hxwxd in inches) | 65x88x160 (2.6x3.5x6.3) | 65x88x185 (2.6x3.5x7.3) | 65x88x195 (2.6x3.5x7.7) | 45x90x115 (1.8x3.5x4.5) | 45x90x125 (1.8x3.5x4,5) | 65x88x195 (2.6x3.5x7.7) |
| Standards: Safety | EN 60950 | | | | | |
| Emission | EN 61000-6-3, EN 55014-1 | | | | | |
| Immunity Automotive Directive | EN 61000-6-2, EN 61000-6-1, EN 55014-2  ECE R10-4 | | | | | |

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