

# R-28 Series

## RECTIFIERS



The new-generation rectifiers of **R-28 series** are developed for ground servicing of aircraft and helicopters with:

- voltage of **28.5 V**
- continuous current **up to 1600 A** (overload **up to 2500 A**)

R-28 series rectifiers ensure reliable engine launch and stable onboard equipment operation.

Equipped with microprocessor control and optional energy monitoring systems.

### Monitoring system





- Energy consumption monitoring system
- Power log and "black box" mode

### Eco-friendly

- No CO<sub>2</sub> emissions
- Maximum usage of recycle materials
- Extraordinary personnel safety features
- Easy to operate
- Noise level **<65 dB(A) @1 m**

### Monitoring system

- Energy consumption monitoring system
- Power log and "black box" mode

<p><b>Up to 1600 A</b></p>  <ul style="list-style-type: none"> <li>• Rated current up to 1600 A with overloads up to 2500 A</li> </ul>	<p><b>Voltage 28/48/56 V</b></p>  <ul style="list-style-type: none"> <li>• Very stable voltage</li> <li>• Automatic voltage drop compensation on the cable (up to 50 m)</li> </ul>
<p><b>2 DC ++</b></p>  <ul style="list-style-type: none"> <li>• Dual independent output channel option</li> <li>• Ability to work on a 28 V/ 48 V/ 56 V mode</li> </ul>	<p><b>10 min Modularity</b></p>  <ul style="list-style-type: none"> <li>• Modular system — easy to replace</li> <li>• Estimated time to repair is less than 10 min</li> </ul>

## GENERAL

Climatic execution	-55 °C to +55 °C
Humidity	up to 100 %
Noise level	<65 dB(A)@ 1 m
Execution	fixed, mobile
Protection class	IP 55
Country of origin	Estonia, EU

## INPUT PARAMETERS

Input voltage, V	3×220/ 3×440 / 3×460 3×480 ± 10 %, N, PE
Input frequency, Hz	50/60
Inrush current	soft start

## OUTPUT PARAMETERS

Number of outputs	up to 5
Current (continuous), A	up to 1600
Rated output voltage, V	28,5
Range of voltage regulation, V	up to 33
Peak current, A	up to 2500
Line drop compensation	automatic
Error log storage	up to 10 000 events
Interlock	ON/ OFF

## PROTECTION (ISO 6858/ MIL-STD-704F)

Over/ under voltage
Overload
Overheating
Short circuit

## OPTIONAL

Anti-condensation heating	with thermostat
Remote control	control panel, regulation buttons, power, lamp, emergency stop
Output with commutation, V	28/48/56
Custom input and output cable length	
Custom input and output plugs	
Control panel lighting	
RFID access system	
Climatic execution	
Remote control	
Power consumption record	
Power consumption monitoring	
EUR1 certificate	
RFID access system	

