

240-360V 1.8KW DC/DC Converter Fan Model No. ATRD1K8-307S14F

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|  | <p>Features</p> <ol style="list-style-type: none"> 1 Output Power: 1.8KW 2 Input Voltage Range(VDC): 240-360 3 Output Voltage Range(VDC): 0~16 4 Rated Output Voltage(VDC): 14 5 Output Current Continuous(A): 110 6 Dimensions(mm): 276 x 168 x 84 7 Weight(KG): ≤ 3.5 8 Cooling System: Fan 9 IP Rating: IP67 10 CAN compatibility: CAN2.0 B 11 Enclosure: Aluminum alloy 12 Isolated: Supported 13 Software: Digital software design 14 Online Upgrade & Fault Diagnosis: Supported |
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Specification

| Description | | Remark |
|------------------------------|-------------|--|
| Input Voltage Range (VDC) | 240-360 | |
| Rated Input Voltage (VDC) | 307 | Adjustable as per requirement |
| Output Voltage Range(VDC) | 0-16 | |
| Rated Output Voltage(VDC) | 14±0.2 | Adjustable as per requirement |
| Output current(A) Continuous | 110 | |
| Output current(A) Max. | 128@30min | 150A@30sec(2.1KW) |
| Efficiency | ≥92% | Rated input voltage, load > 30% |
| Output Voltage Ripple | ≤200mVp-p | |
| Output Voltage Accuracy | ±1% | |
| Output Load Regulation | ±2% | |
| Output Line Regulation | ±2% | |
| Communication Method | ISO 11898-2 | |
| Quiescent Current | <100 μA | Battery current will be consumed in sleep/standby mode |
| Isolation | supported | |

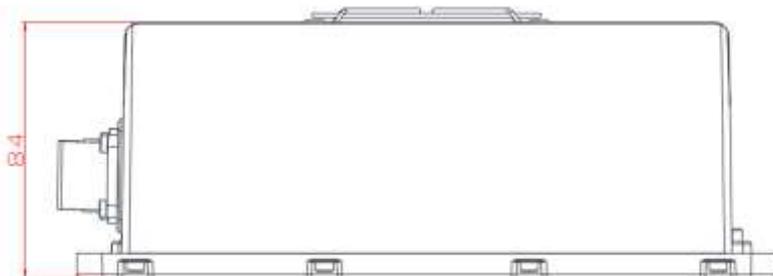
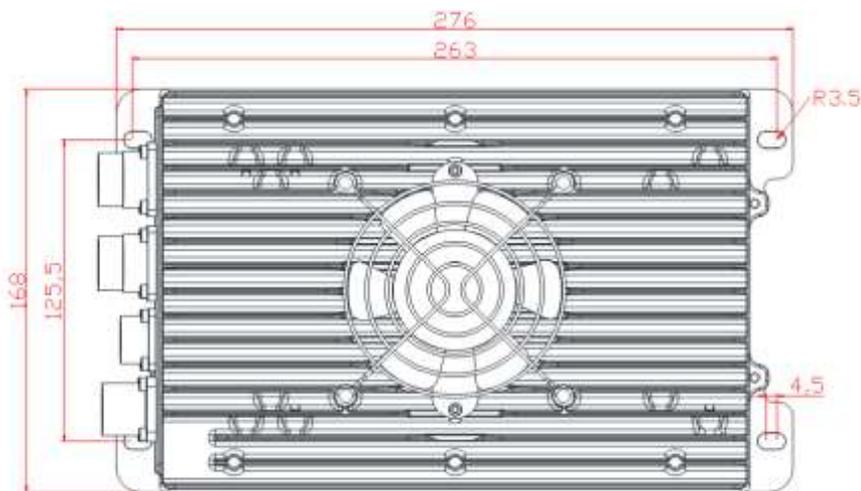
Operating Environment

The operating environment conditions of this assembly are as follows:

| Items | Descriptions | Remark | |
|-------|---------------------------|--------|---|
| 1. | Operating Temperature(°C) | -40~85 | The power will be derated when the temperature exceeds 65°C |
| 2. | Storage Temperature(°C) | -40~95 | |
| 3. | relative humidity(%RH) | 5~95 | No condensation, no frost |



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| 4. | Protection level | IP67 | |
| 5. | Cooling method | Fan | |
| 6. | Vibration level | ISO 16750-3,2012 (E) | After X,Y,Z three directions of sweep frequency vibration testing, no damage for parts , no loose for fastening piece |
| 7. | Noise level(dB) | <60 | |
| 8. | Salt spray level | GB/T 2423.17 | |
| 9. | Altitude(M)Max | 3000 | GB/T16935.1-2008 |
| 10. | Fall | Wiring harness according to QC/T417.1-2001 Housing according to GB/T 2423.8-1995 | Appearance, structure and performance are normal |
| 11. | Protection Characteristics | Input OVP/UVP, output OVP/UVP, input anti-reverse connection, output short circuit protection, OCP, OTP | |
| 12. | Electromagnetic immunity | GB/T17619-1998 chap4 | |
| 13. | Electromagnetic disturbance | GB18655-2002chap 12 chap14 | |



Connector Model: we use Recodeal connectors

1. Model No.: RED 30A

https://www.annren.com/ec99/rwd1259/category.asp?category_id=73

2. Model No.: RS4-J12ZY-AH-B

https://www.annren.com/ec99/rwd1259/category.asp?category_id=140