



DC/DC Converter Series

| Item | Part Name | Model Name | Power (W) | Input Voltage (Vdc) | Output Voltage (Vdc) | Output Current(A) | Efficiency | Size (mm) | Cooling system | Weight (Kg) | Certificate |
|------|-----------------------|-----------------------|-----------------|---------------------|----------------------|-------------------|------------|-------------|----------------|-------------|-------------|
| 1 | 240W DC/DC CONVERTER | AT240W-1224V | 240 | 6~18 | 26 | 10 | ≥90% | 185x69x45 | Natural | 0.5 | N/A |
| 2 | 300W DC/DC CONVERTER | AT300W-2713V | 300 | 18~36 | 13 | | | 450x380x190 | N/A | 8.5 | |
| 3 | | ATD300-540S12-M | 300 | 200~800 | 12 | 25 | 178x90x33 | N/A | 0.5 | | |
| 4 | | ATD300-540S24-M | | | 24 | 12.5 | | | | | |
| 5 | | ATD300-540S12-N | | | 12 | 25 | 208x129x45 | Natural | 1.5 | | |
| 6 | | ATD300-540S24-N | | | 24 | 12.5 | | | | | |
| 7 | | 1.5KW DC/DC CONVERTER | ATD1K5-380S14-M | 1500 | 250~450 | 13.8 | 109 | ≥95% | 180x120x50 | N/A | 1.6 |
| 8 | ATD1K5-540S14-M | | 400~750 | | 262x180x120 | | | | Fan | 4.5 | |
| 9 | ATD1K5-380S14-A | | 250~450 | | | | | | | | |
| 10 | ATD1K5-540S14-A | | 400~750 | | | | | | | | |
| 11 | ATD1K5-380S14-W | | 250~450 | | 234x156x80 | | | | Liquid | 3 | |
| 12 | ATD1K5-540S14-W | | 400~750 | | | | | | | | |
| 13 | 2KW DC/DC CONVERTER | ATD2K-380S14-M | 2000 | 250~450 | 13.8 | 145 | ≥95% | 180x120x50 | N/A | 1.6 | |
| 14 | | ATD2K-540S14-M | | 400~750 | | | | 262x180x120 | Fan | 4.5 | |
| 15 | | ATD2K-380S14-A | | 250~450 | | | | | | | |
| 16 | | ATD2K-540S14-A | | 400~750 | | | | | | | |
| 17 | | ATD2K-380S14-W | | 250~450 | | | | 234x156x80 | Liquid | 3 | |
| 18 | | ATD2K-540S14-W | | 400~750 | | | | | | | |
| 19 | 2.4KW DC/DC CONVERTER | ATD2K4-540S14-W | 2400 | 400~750 | 13.8 | 174 | ≥95% | 242x161x70 | Liquid | 3 | |
| 20 | 3KW DCDC CONVERTER | ATD3K-380S27-M | 3000 | 200~500 | 27.5 | 110 | ≥95% | 200x120x50 | N/A | 1.8 | |
| 21 | | ATD3K-540S27-M | | 400~750 | | | | | Fan | | |
| 22 | | ATD3K-640S27-M | | 400~900 | | | | | Liquid | | |
| 23 | | ATD3K-380S27-A | | 200~500 | | | | 262x180x120 | N/A | 4.8 | |
| 24 | | ATD3K-540S27-A | | 400~750 | | | | | | | Fan |
| 25 | | ATD3K-640S27-A | | 400~900 | | | | Liquid | | | |
| 26 | | ATD3K-380S27-W | | 200~450 | | | | 234x156x80 | N/A | 3 | |
| 27 | | ATD3K-540S27-W | | 400~750 | | | | | | | Fan |
| 28 | | ATD3K-640S27-W | | 400~900 | | | | | | | Liquid |
| 29 | | 6KW DC/DC CONVERTER | | ATD6K-540S27-M | | | | 6000 | 400~750 | 27.5 | 218 |
| 30 | ATD6K-540S27-W | | 326x211x83 | Liquid | 5 | | | | | | |

Features:

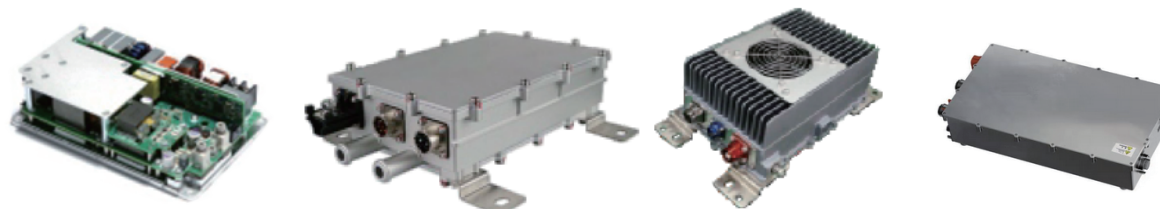
CERTIFICATE : GB/T, CE

Rated output power:2000W/6000W

Communication format:INTEL, MOTOROLA

Communication method:CAN BUS A/ B

CAN byte speed:250Kpps/500Kpps



| Description | Specification | | | | | | | |
|---|--|----------------|-------------------------|----------------|----------------------|----------------|------------------------------------|-------------------------|
| | 2KW DCDC MODULE | | 2KW DCDC LIQUID COOLING | | 2KW DCDC AIR COOLING | | 6KW DCDC MODULE | 6KW DCDC LIQUID COOLING |
| Product name | 2KW DCDC MODULE | | 2KW DCDC LIQUID COOLING | | 2KW DCDC AIR COOLING | | 6KW DCDC MODULE | 6KW DCDC LIQUID COOLING |
| Model No. | ATD2K-380S14-M | ATD2K-540S14-M | ATD2K-380S14-W | ATD2K-540S14-W | ATD2K-380S14-A | ATD2K-540S14-A | ATD6K-540S27-M | ATD6K-54027-W |
| Input voltage range | 250-450VDC | 400-750VDC | 250-450VDC | 400-750VDC | 250-450VDC | 400-750VDC | 400-750VDC | |
| Output voltage range | 13.8VDC | | | | | | 27.5VDC | |
| Output current(A)Max. | 145A | | | | | | 218A | |
| Auxiliary power VCC | 9-18VDC | | | | | | 9-32VDC | |
| Efficiency | ≥ 95% | | | | | | | |
| Voltage accuracy | ±1% | | | | | | | |
| Output voltage ripple | ≤ 500mV _{PK-PK} | | | | | | | |
| Wake up method | hard wire, high voltage | | | | | | | |
| Quiescent Current | ≤ 2mA | | | | | | ≤ 3mA | ≤ 2mA |
| Protection characteristics | Input over and under voltage, output over and under voltage, input anti-reverse connection, output over current and short circuit protection, over temperature protection. | | | | | | | |
| Electromagnetic compatibility characteristics | GB/T 18655-2010 | | | | | | | |
| Operating temperature | -40~85°C | | | | | | | |
| Dimensions | 180x120x50mm | | 234x156x80mm | | 262x180x120mm | | 242x133x53mm | 326x211x83mm |
| Cooling method | Heat sink attached to bottom plate | | Liquid , flow ≥ 6L/min | | Fan | | Heat sink attached to bottom plate | Liquid , flow ≥ 12L/min |
| Weight(kg) | ≤ 1.6 | | ≤ 3 | | ≤ 4.5 | | ≤ 2.5 | ≤ 5 |