| | TI10 | TI250 | TI254 | TI256 | TI500 | TI1200 | TI1202 | TI1204 | TI2000 |
|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER | MD26-28 | 6430250-1 | 6430250-2 | 6430250-3 | MD50 | 6431200-1 | 6431200-3, 6431200-8 | 6431200-7 | 6432000-1 |
| INPUT VOLTAGE | 11 – 40 VDC | 20 – 36 VDC | 20 – 36 VDC | 20 – 36 VDC | 20 – 36 VDC | 20 – 36 VDC | 20 – 36 VDC | 18 – 36 VDC | 20 – 36 VDC |
| INPUT CURRENT | 1.8A max | 10A at 28 VDC input | 10A at 28 VDC input | 10A at 28 VDC input | 20A at 28 VDC input | 60A at 28 VDC input | 60A at 28 VDC input | 60A at 28 VDC input | 80A at 28 VDC input |
| OUTPUT VOLTAGE | 26 VAC ± 1 VAC | 115 VAC ± 3% | 115 VAC ± 3% | 115 VAC ± 3%, 26 VAC ± 3% | 115 VAC ± 3% | 115 VAC ± 3% | 230 VAC ± 3% (6431200-3)<br>240 VAC ± 3% (6431200-8) | 115 VAC ± 3% | 115 VAC ± 3% |
| OUTPUT POWER | 10 VA | 250 VA | 250 VA | 250 VA total, 75 VA for 26 VAC | 500 VA | 1200 VA | 1200 VA | 1200 VA | 2000 VA |
| OUTPUT FREQUENCY | 400 Hz ± 0.5% | 60 Hz ± 0.1% | 400 Hz ± 0.1% | 400 Hz ± 0.1% | 60 Hz ± 0.1% | 60 Hz ± 0.1% | 50 Hz ± 0.1% | 400 Hz ± 0.1% | 60 Hz ± 0.5% |
| POWER CONVERSION | Oscillator | Current mode control | Current mode control | Current mode control | Current mode control | Current mode control | Current mode control | Current mode control | Current mode control |
| OUTPUT WAVEFORM | Single phase, pure sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion | Single phase, true sine wave, < 3% total harmonic distortion |
| WEIGHT | 0.28 lbs (0.13 kg) | 2.2 lbs. (1.0 kg) | 2.2 lbs. (1.0 kg) | 2.6 lbs. (1.18 kg) | 3.9 lbs. (1.77 kg) | 7.3 lbs. (3.31 kg) | 7.3 lbs (3.31 kg) | 7.3 lbs. (3.31 kg) | 7.7 lbs. (3.49 kg) |
| DIMENSIONS | 1.43" H x 2.75" L x 3.0" W | 2.02" H x 6.74" L x 5.94" W | 2.02" H x 6.74" L x 5.94" W | 2.02" H x 6.74" L x 5.94" W | 2.74" H x 8.15" L x 6.34" W | 3.46" H x 12" L x 6.32" W | 3.46" H x 12" L x 6.32" W | 3.46" H x 12" L x 6.32" W | 3.46" H x 12" L x 6.32" W |
| EFFICIENCY | 60% | 90% | 90% | 90% | 86% | 88% | 88% | 88% | 93% |
| REMOTE CONTROL | None | Remote On/Off | Remote On/Off | Remote On/Off | Remote On/Off | Remote On/Off | Remote On/Off | Remote On/Off | Remote On/Off |
| PROTECTION | Transient and reverse polarity protected | Input transient, overload, short-circuit protection (up to 150% of rated load without damage) and ground fault interrupter (GFI) protection | Input transient, overload, short-circuit protection (up to 150% of rated load without damage) and ground fault interrupter (GFI) protection | Input transient, overload, short-circuit protection (up to 150% of rated load without damage) and ground fault interrupter (GFI) protection | Input transient, overload and short-circuit protection (up to 150% of rated load without damage) | Input transient, overload and short-circuit protection (up to 150% of rated load without damage) | Input transient, overload and short-circuit protection (up to 150% of rated load without damage) | Input transient, overload and short-circuit protection (up to 150% of rated load without damage) | Input transient, overload and short-circuit protection (up to 150% of rated load without damage) |
| ALTITUDE | -1,000 to +50,000 feet | 70,000 ft | 70,000 ft | 70,000 ft | 55,000 ft | 55,000 ft | 55,000 ft | 55,000 ft | 55,000 ft |
| HUMIDITY | 0 to 95% at 25˚C | Tested to greater than 95% for 10 days, temperature cycle of 100°F to 150°F | Tested to greater than 95% for 10 days, temperature cycle of 100°F to 150°F | Tested to greater than 95% for 10 days, temperature cycle of 100°F to 150°F | Tested to greater than 95% for 10 days, temperature cycle of 75°F to 160°F | Tested to greater than 95% for 10 days, temperature cycle of 75°F to 160°F | Tested to greater than 95% for 10 days, temperature cycle of 75°F to 160°F | Tested to greater than 95% for 10 days, temperature cycle of 75°F to 160°F | Tested to greater than 95% for 10 days, temperature cycle of 75°F to 160°F |
| TEMPERATURE | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | –67°F to +158°F (-55°C to +70°C) | -67°F to +158°F (-55°C to +70°C) | -67°F to +158°F (-55°C to +70°C) |
| INTEGRAL COOLING | None required | None required | None required | None required | Dual, electronically-controlled brushless fans | Dual, electronically-controlled brushless fans | Dual, electronically-controlled brushless fans | Dual, electronically-controlled brushless fans | Dual, electronically-controlled brushless fans |
| MATING CONNECTOR | Terminal block | MS3106A-18-9S (MCI P/N 9016905-1,-2) | MS3106A-18-9S (MCI P/N 9016905-1,-2) | MS3106A-18-9S (MCI P/N 9016905-1,-2) | MS3106A-18-9S (MCI P/N 9016905-1,-2) | MS3106A24-12S, MS3057-16A (cable clamp / backshell) (MCI P/N 9017235-1, -2) | MS3106A24-12S MS3057-16A (cable clamp / backshell) (MCI P/N 9017235-1, -2) | MS3106A24-11S (cable clamp / backshell) (MCI P/N 9019110-1, 9017235-2) | 9018784-1<br>9018550-2<br>(cable clamp / backshell) |
| MOUNTING | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation | Flexible orientation |
| CASE | Anodized aluminum base plate, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue | Anodized aluminum extrusion, blue |
| CERTIFICATION | FAA PMA approved | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>RTCA DO-160F qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>RTCA DO-160G qualified |
| WARRANTY | Two-year limited | Two-year limited | Two-year limited | Two-year limited | Two-year limited | Two-year limited | Two-year limited | Two-year limited | Two-year limited |