

JDM65-C Series

65 Watts

Single & Dual Output Switching Power Supply

Features:

- * Small 6.20 x 3.20 x 1.50" Enclosed Package
- * IEC-320 C14 Inlet with on/off Switch
- * Convection Cooled Operation
- * Universal AC Input (47-63 Hz)
- * 100,000 hours MTBF (25°C Full Load Operation)
- * Optional -40C Operating Temperature
- * Class B Emissions
- * International Safety Approvals & CE Mark
- * 3 Year Warranty



Input Specifications:

| | |
|------------------------|--|
| Input Range | Universal VAC (90-264 VAC) & 120-370 VDC |
| Input Frequency | 47-63 Hz or DC |
| Inrush Current | 25A @ 115VAC / 50A @ 230VAC max (cold start) |
| Input Current | 1700mA @ 90 VAC / 750mA @ 200 VAC Maximum |
| Input Reflected Ripple | FCC 68 part 15 Class B |
| Efficiency | 65% Typical (depending on output model) |
| Input Protection | Single Fused (4 Amp / 250 V) |
| Hold-up Time | Half Cycle Minimum @ 120 VAC and 80% load |
| Leakage Current | < 750µA maximum @ 264 VAC |
| Harmonics | EN61000-3-2 Class D |

Output Specifications:

| | |
|--------------------------|-------------------------------------|
| Adjustment Range | Fixed at Factory |
| Minimum Load | See Output Table |
| Regulation | V1 = 3% V2 = 10% max |
| Ripple / Noise | ± 1% pk-pk max (20MHz) |
| Transient Response | +/- 5% Deviation / < 1msec recovery |
| Set-Point Accuracy | ±2% |
| Short Circuit Protection | Continuous |
| Over Load Protection | 125-150%, automatic recovery |
| Over Voltage Protection | 120-150%, latched shutdown |

Emissions Standards

| | |
|----------------------|-----------------------|
| FCC Part 15J, Part 2 | Within Class B Limits |
| EN55022 / CISPR22 | Within Class B Limits |

Electromagnetic Compatibility:

| | |
|-------------------------|--|
| Electrostatic Discharge | EN61000-4-2, ±4KV Contact / ±8KV Air Discharge |
| Radiated Susceptibility | EN61000-4-3, 26-1000MHz, 10V/M, 80% AM |
| EFT / Bursts | EN61000-4-4, ± 2KV |
| Surges | EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line |
| Conducted Immunity | EN61000-4-6, 0.15 - 800MHz, 10V, 80% AM |
| Voltage Dips | EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms |
| Voltage Interruptions | EN61000-4-11, 95% Reduction, 5s |
| Radiated Emissions | FCC 68 part 15 Class B |
| Conducted Emissions | FCC 68 part 15 Class B |
| Harmonic Current | EN61000-3-2 Class D |
| Fluctuations & Flicker | EN61000-3-3 |

Environmental Specifications:

| | |
|-------------------|---|
| Operating Temp | 0 ~50°C (De-Rate 2.5%/1°C Rise To +70°C) |
| Storage Temp | -20 ~ +85°C |
| Cooling | 31.5 cfm airflow required for full load or derate 25% |
| Temp Co-Efficient | 0.05% per degrees celsius |
| Humidity | 5 to 95% RH Non-Condensing |
| Vibration | 3 Axes 1 Oct/min, 5 min at 4 Res. 0.75G Pk, 5-500Hz |
| Shock | 20G Peak Acceleration |
| Reliability | >100k hours MTBF (Full Load and 25°C Operation) |

International Safety Approvals

| | |
|-----------|---|
| Standards | UL 60950 (3rd Edition), File # E158470 |
| | CSA 22.2 No. 60950 |
| | TUV EN60950 |
| | CB Report (IEC 60950-1), File # E158470-A3-CB-1 |
| | CE Mark (LVD) |

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Output Table:

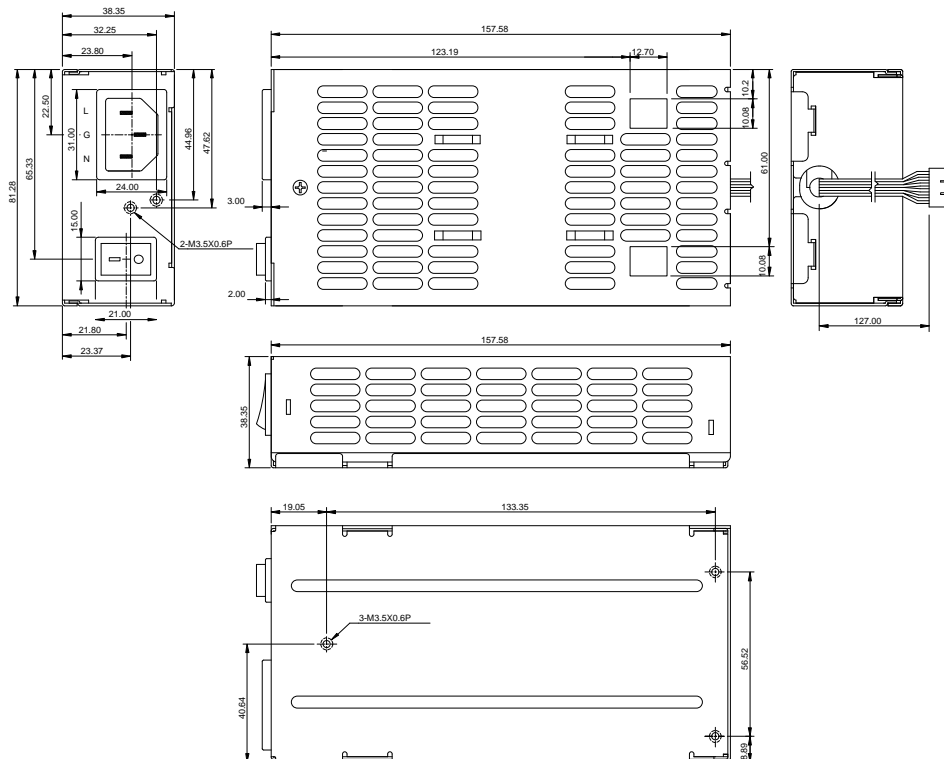
| Model Number | Max Power | V1 | Io Min | Io Max | V2 | Io Min | Io Max |
|--------------|-----------|---------|--------|--------|---------|--------|--------|
| JDM65-3.3V-C | 50 Watts | 3.3VDC | 2000mA | 15.0A | - | - | - |
| JDM65-21-C | 65 Watts | +3.3VDC | 2000mA | 15.0A | +5VDC | 200mA | 2.0A |
| JDM65-22-C | 65 Watts | +3.3VDC | 2000mA | 15.0A | +12VDC | 100mA | 1.0A |
| JDM65-23-C | 65 Watts | +5VDC | 2000mA | 13.0A | +12VDC | 100mA | 1.0A |
| JDM65-24-C | 65 Watts | +5VDC | 2000mA | 13.0A | +3.3VDC | 200mA | 2.0A |
| JDM65-25-C | 65 Watts | +12VDC | 500mA | 5.0A | +5VDC | 200mA | 2.0A |
| JDM65-26-C | 65 Watts | +12VDC | 500mA | 5.0A | +3.3VDC | 200mA | 2.0A |

Note: Total Output Power May not exceed 65 Watts

Mechanical Specifications:

Construction: Enclosed + IEC-320

Weight: 1.30 lb / 0.590 kg



Pin Assignmtns:

| Pin | Single | Dual |
|-------|--------|------|
| CN2-1 | NC | V2 |
| CN2-2 | V1 | V1 |
| CN2-3 | V1 | V1 |
| CN2-4 | V1 | V1 |
| CN2-5 | V1 | RTN |
| CN2-6 | RTN | RTN |
| CN2-7 | RTN | RTN |
| CN2-8 | RTN | RTN |

Connectors:

Input: IEC-320 C14

Output: Mates with Molex 09-52-4104 (5239 series)