

- Power The World with Highest Efficiency

ATX-3175

Features

- **750W Output, Active PFC**
- **Protections:** OVP, OPP, SCP, OTP
- **Reliability:** MTBF 100,000 hrs @ 25°C, Full Load
- **High Efficiency:** 87% @ 115Vac, Full Load
- **Safety Approval:** CE, FCC, Nemko, CB, cTUVus
- **Warranty:** 1-year manufacturer



PS2

| Input Specification | | | | | |
|-------------------------|--|------|---------|------|-------|
| Parameter | Conditions/Description | Min. | Normal | Max. | Units |
| Input Voltage Range | Universal Input | 90 | 100-240 | 264 | V(ac) |
| Input Frequency Range | | 47 | 60/50 | 63 | Hz |
| Input Current | Measured at 90 Vac / 264 Vac input, full load output | | 10/5 | | A |
| Inrush Current | Measured at 45A@115Vrms /90A@ 230Vac (25°C ambient temperature, cold start). | | | | A |
| Efficiency (80+ Bronze) | Measured at 115 Vac @ Full Load | | 87 | | % |

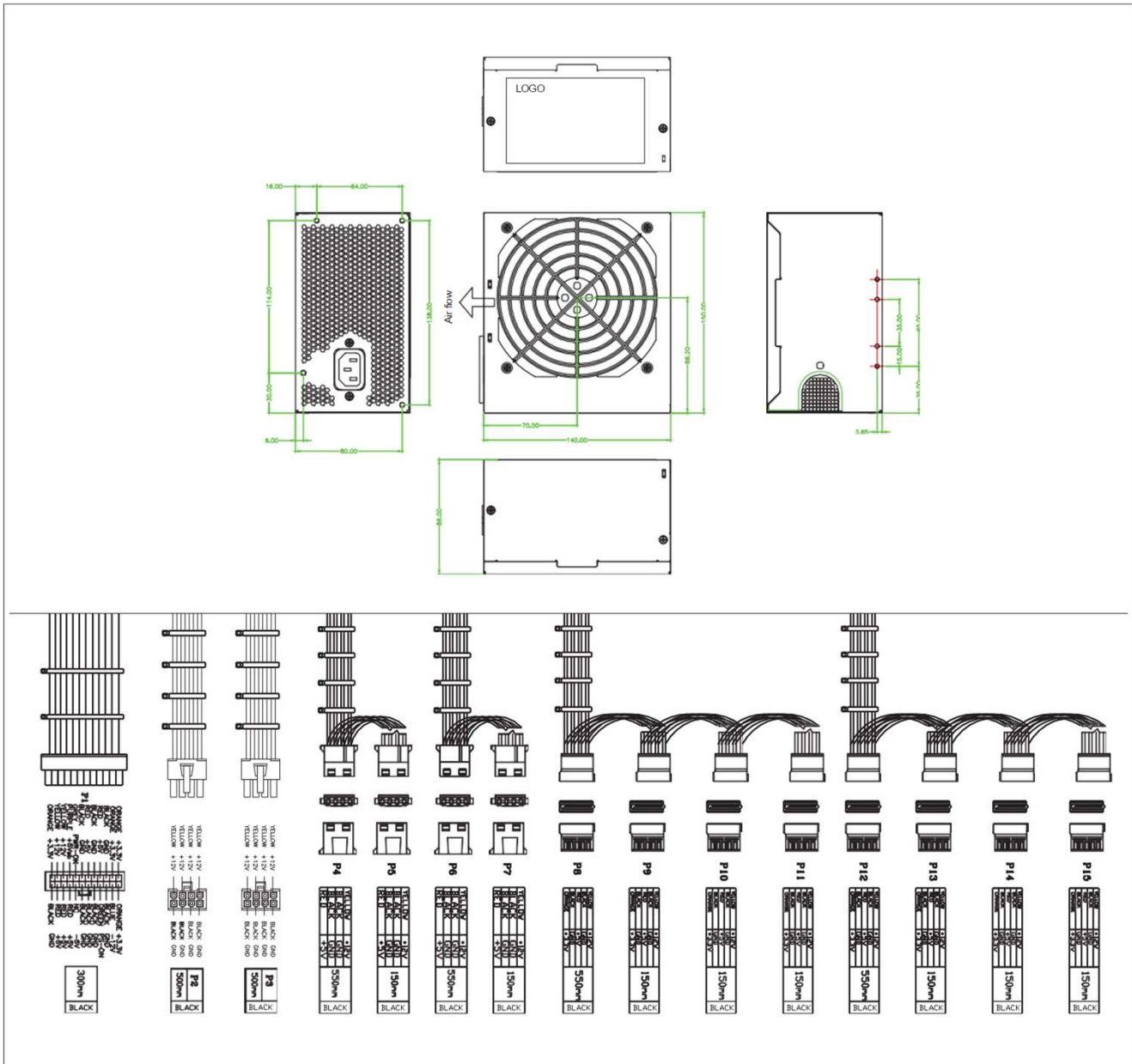
| Output Specification | | | | | | | | | | |
|---|--|--------------------|----------|----------|--------------|-----------------------|--------|------|------|-------|
| Parameter | Conditions/Description | Voltage Regulation | | | Ripple Noise | Output Current (Amps) | | | | Units |
| | | Range | Min. (V) | Max. (V) | (mVp-p) | Min. | Normal | Max. | Peak | |
| +3.3V | | +/-5% | 3.14 | 3.47 | 50 | 0.1 | - | 20 | - | Amps |
| +5V | | +/-5% | 4.75 | 5.25 | 50 | 0.2 | - | 20 | - | Amps |
| +12V | | +/-5% | 11.4 | 12.6 | 120 | 0 | - | 62 | - | Amps |
| -12V | | +/-10% | -10.8 | -13.2 | 120 | 0 | - | 0.3 | - | Amps |
| +5VSB | | +/-5% | 4.75 | 5.25 | 50 | 0 | - | 3 | 3.5 | Amps |
| Output Rise Time | | | | | | 0.2 | | 20 | | mSec |
| Voltage Hold-Up Time | Measured at 115Vac/47Hz or 230Vac/47Hz/100% load after power source removed. | | | | | 16 | | | | mSec |
| Total Combined Output Load on +3.3V and +5V shall not exceed 100W . | | | | | | | | | | |
| The average maximum continuous DC output power shall not exceed 750W . | | | | | | | | | | |

| Environmental Specification | | | | | |
|-----------------------------|--|----------------------------------|--------|------|-----------|
| Parameter | Conditions/Description | Min. | Normal | Max. | Units |
| MTBF | Calculated via MIL-HDBK-217F @ 25°C ambient temperature , Full load, 110 Vac | 100,000 | | | Hours |
| Operating Temperature | Full load | 0 | | 50 | °C |
| Storage Temperature | | -40 | | 70 | °C |
| Relative Humidity | Non-Condensing | 5 | | 85 | % |
| Dimension | Length x Width x Height | 140 * 150 * 86 / 5.5 * 5.9 * 3.3 | | | mm / inch |
| Cooling Fan | 12VDC | 120 * 120 * 25 | | | mm |
| ROHS | European Directive 2002/95/EC | | | | |

| Reliability Protection | | |
|------------------------|--|---|
| Parameter | Conditions/Description | Recovery Mode |
| Overload | Transit to current limit mode if output over 110% - 180% | Shut Down Output, Auto recover once reset AC power-on by user |
| Over Voltage | | Shut Down Output, Auto recover once reset AC power-on by user |
| Short Circuit | | Shut Down Output, Auto Recover once faults conditions removed |
| Over Temperature | | Shut Down Output, Auto Recover once faults conditions removed |

| Safety & EMC Compliance | | | |
|----------------------------|--------------------------------|--------------|------------|
| Category | Standard | | Comment |
| SAFETY | CE, FCC, Nemko, CB, cTUVus | | Approved |
| EMI Conduction & Radiation | EN55022 Class-B | | Compliance |
| Harmonic Current Emissions | | EN61000-3-2 | Compliance |
| EMS Immunity | Voltage Fluctuation | EN61000-3-3 | Compliance |
| | Electrostatic Discharge (ESD) | EN61000-4-2 | Compliance |
| | Radiated Susceptibility | EN61000-4-3 | Compliance |
| | Fast Transients / Burst - EFT | EN61000-4-4 | Compliance |
| | Input Line Surge Immunity | EN61000-4-5 | Compliance |
| | Conducted Susceptibility | EN61000-4-6 | Compliance |
| | Power Frequency Magnetic Field | EN61000-4-8 | Compliance |
| Voltage Dips | | EN61000-4-11 | Compliance |

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| | |
|--------|--------------------------------|
| P1 | Molex 39-01-2240 or equivalent |
| P2, P3 | Molex 39-01-2040 or equivalent |
| P4-P7 | Molex 8981-04P or equivalent |
| P8-P15 | Molex 88751 or equivalent SATA |

Notes

- Datasheets are updated as needed and as such, specifications are subject to change without notice. Once printed or downloaded, datasheet are no longer controlled by Enhance Electronics, refer to <http://www.enhanceusa.com> for the most current product specifications.
- Product labels shown, including safety agency certifications on labels, may vary based on the date manufactured.
- Mechanical drawings (model No. ATX-3145) is for reference only. The cable wire configuration may vary from other custom designed models as picture showing. Please contact your sales representative for detail.
- Specifications are for reference only. All specifications are measured at an ambient temperature of 25°C, humidity 65%, 230Vac nominal input voltage and at rated output load unless otherwise specified.