

80 PLUS Verification and Testing Report

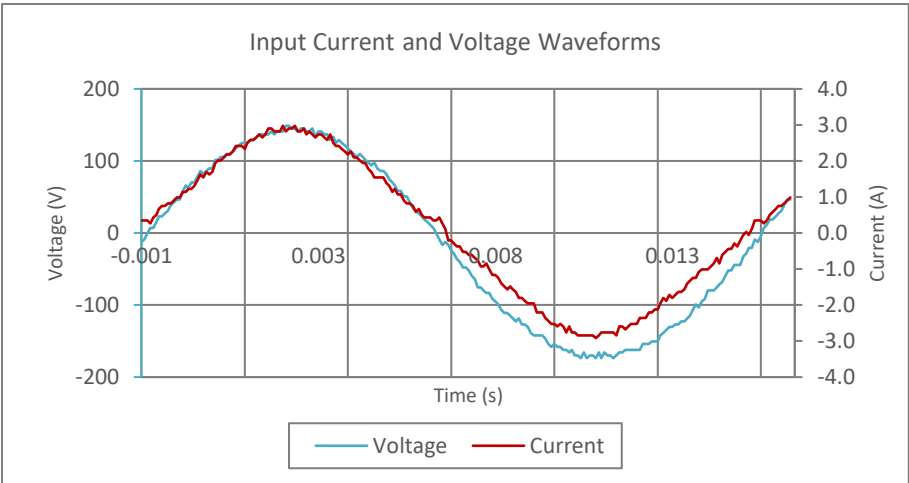
| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 92.02% |
| AVERAGE EFFICIENCY : | 90.61% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|---------------------------|
| ID Number | 5685 |
| Manufacturer | STMicroelectronics s.r.l. |
| Model Number | EVL400W-EUP7 |
| Serial Number | N/A |
| Year | 2019 |
| Type | EPS12V |
| Test Date | 9/23/19 |

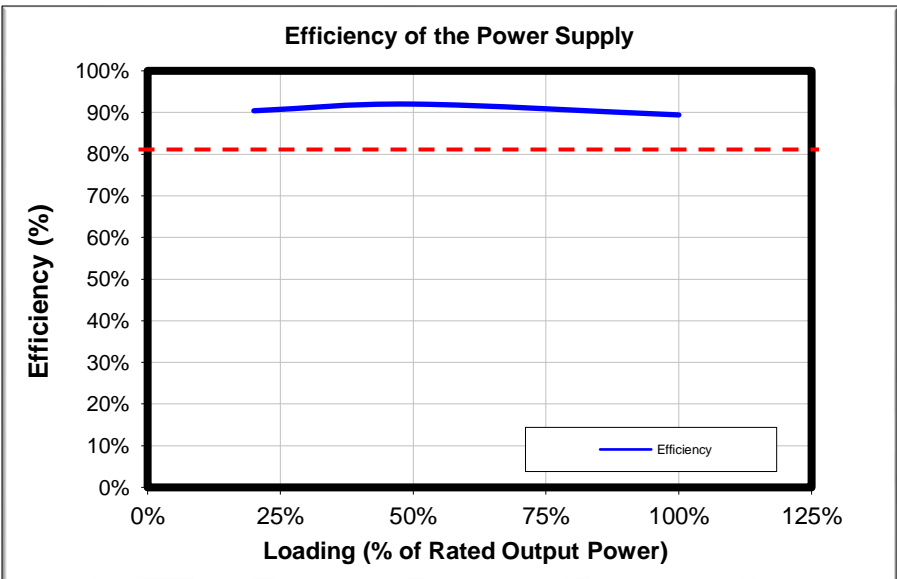
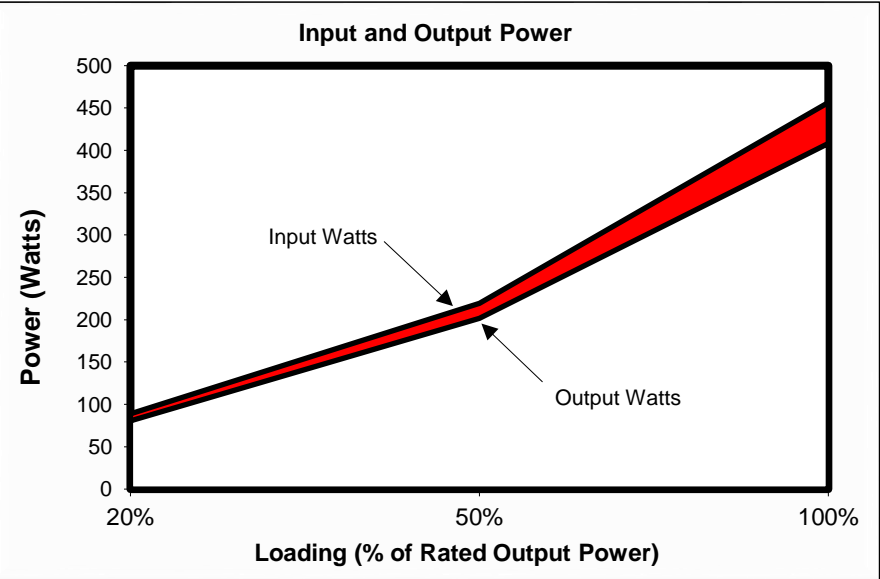
| Rated Specifications | Value | Units |
|----------------------|--------|-------|
| Input Voltage | 90-264 | Volts |
| Input Current | N/A | Amps |
| Input Frequency | 45-65 | Hz |
| Rated Output Power | 400 | Watts |

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 5.83%, 50% Load)

| I _{RMS} | PF | I _{THD} | Load | Input Watts | DC Terminal Voltage (V)/ DC Load Current (A) | Output Watts | Efficiency |
|------------------|------|------------------|------|----------------|--|-----------------|------------|
| | | | | | 12V (cumulative of 12V1, 12V2, etc.) | | |
| 0.41 | 0.98 | 8.02% | 10% | 46.71 | 12.11/3.31 | 40.09 | 85.82% |
| 0.78 | 1.00 | 3.38% | 20% | 88.86 | 12.11/6.63 | 80.34 | 90.41% |
| 1.91 | 1.00 | 5.83% | 50% | 219.30 | 12.17/16.58 | 201.79 | 92.02% |
| 3.95 | 1.00 | 3.08% | 100% | 456.50 | 12.34/33.07 | 408.15 | 89.41% |



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

