

Energy Efficiency Level VI Standard

| Single-Voltage External AC-DC Power Supply, Basic-Voltage | | |
|---|---|---------------------------------------|
| Nameplate Output Power (P_{out}) | Minimum Average Efficiency in Active Mode <i>(expressed as a decimal)</i> | Maximum Power in No- Load Mode [W] |
| $P_{out} \leq 1 \text{ W}$ | $\geq 0.5 \times P_{out} + 0.16$ | ≤ 0.100 |
| $1 \text{ W} < P_{out} \leq 49 \text{ W}$ | $\geq 0.071 \times \ln(P_{out}) - 0.0014$ $\times P_{out} + 0.67$ | ≤ 0.100 |
| $49 \text{ W} < P_{out} \leq 250 \text{ W}$ | ≥ 0.880 | ≤ 0.210 |
| $P_{out} > 250 \text{ W}$ | ≥ 0.875 | ≤ 0.500 |
| Single-Voltage External AC-DC Power Supply, Low-Voltage | | |
| Nameplate Output Power (P_{out}) | Minimum Average Efficiency in Active Mode <i>(expressed as a decimal)</i> | Maximum Power in No- Load Mode [W] |
| $P_{out} \leq 1 \text{ W}$ | $\geq 0.517 \times P_{out} + 0.087$ | ≤ 0.100 |
| $1 \text{ W} < P_{out} \leq 49 \text{ W}$ | $\geq 0.0834 \times \ln(P_{out}) -$ $0.0014 \times P_{out} + 0.609$ | ≤ 0.100 |
| $49 \text{ W} < P_{out} \leq 250 \text{ W}$ | ≥ 0.870 | ≤ 0.210 |
| $P_{out} > 250 \text{ W}$ | ≥ 0.875 | ≤ 0.500 |
| Single-Voltage External AC-AC Power Supply, Basic-Voltage | | |
| Nameplate Output Power (P_{out}) | Minimum Average Efficiency in Active Mode <i>(expressed as a decimal)</i> | Maximum Power in No- Load Mode [W] |
| $P_{out} \leq 1 \text{ W}$ | $\geq 0.5 \times P_{out} + 0.16$ | ≤ 0.210 |
| $1 \text{ W} < P_{out} \leq 49 \text{ W}$ | $\geq 0.071 \times \ln(P_{out}) - 0.0014$ $\times P_{out} + 0.67$ | ≤ 0.210 |
| $49 \text{ W} < P_{out} \leq 250 \text{ W}$ | ≥ 0.880 | ≤ 0.210 |
| $P_{out} > 250 \text{ W}$ | ≥ 0.875 | ≤ 0.500 |
| Single-Voltage External AC-AC Power Supply, Low-Voltage | | |
| Nameplate Output Power (P_{out}) | Minimum Average Efficiency in Active Mode <i>(expressed as a decimal)</i> | Maximum Power in No- Load Mode [W] |
| $P_{out} \leq 1 \text{ W}$ | $\geq 0.517 \times P_{out} + 0.087$ | ≤ 0.210 |
| $1 \text{ W} < P_{out} \leq 49 \text{ W}$ | $\geq 0.0834 \times \ln(P_{out}) -$ $0.0014 \times P_{out} + 0.609$ | ≤ 0.210 |
| $49 \text{ W} < P_{out} \leq 250 \text{ W}$ | ≥ 0.870 | ≤ 0.210 |
| $P_{out} > 250 \text{ W}$ | ≥ 0.875 | ≤ 0.500 |
| Multiple-Voltage External Power Supply | | |
| Nameplate Output Power (P_{out}) | Minimum Average Efficiency in Active Mode <i>(expressed as a decimal)</i> | Maximum Power in No- Load Mode [W] |
| $P_{out} \leq 1 \text{ W}$ | $\geq 0.497 \times P_{out} + 0.067$ | ≤ 0.300 |
| $1 \text{ W} < P_{out} \leq 49 \text{ W}$ | $\geq 0.075 \times \ln(P_{out}) + 0.561$ | ≤ 0.300 |
| $P_{out} > 49 \text{ W}$ | ≥ 0.860 | ≤ 0.300 |