

Manufacturer's name : Phihong Technology Co., Ltd.
Commercial registration number: 30435973
Address: No. 568, Fuxing 3rd Rd., Guishan Dist., Taoyuan City 33383, Taiwan

**COMMISSION REGULATION (EU) 2019/1782
of 1 October 2019**

**laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC
of the European Parliament and of the Council and repealing Commission Regulation (EC)
No 278/2009**

Information published

| PNAME | Input voltage (Vac) | Input AC frequency (Hz) | Output voltage (Vdc) | Output current (A) | Output power (W) | Average active efficiency | Efficiency at low load(10%) | NO load (W) |
|-----------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| 1504941-0001 | 230 | 50 | 48 | 0.82 | 39.36 | 88.38% | 83.59% | 0.2614 |
| 1505842-0001 | 230 | 50 | 12 | 2.08 | 24.96 | 88.38% | 83.59% | 0.2614 |
| 1505842-0001 | 230 | 50 | 30 | 1.67 | 50.1 | 88.38% | 83.59% | 0.2614 |
| AA03E-090A-R | 230 | 50 | 9 | 0.305 | 3 | 77.40% | 70.33% | 0.024 |
| AA03K-090A-R | 230 | 50 | 9 | 0.305 | 3 | 77.40% | 70.33% | 0.024 |
| AA10E-050A-R | 230 | 50 | 5 | 2 | 10 | 81.10% | 78.50% | 0.059 |
| AA10K-050A-R | 230 | 50 | 5 | 2 | 10 | 81.10% | 78.50% | 0.059 |
| AA120B-120B1-R | 230 | 50 | 12 | 10 | 120 | 89.10% | 87.31% | 0.0677 |
| AA120M-120B-R | 230 | 50 | 12 | 9 | 108 | 89.09% | 87.14% | 0.0728 |
| AA120M-240B-R | 230 | 50 | 24 | 5 | 120 | 90.82% | 86.73% | 0.0906 |
| AA120M-480B-R | 230 | 50 | 48 | 2.5 | 120 | 91.30% | 87.95% | 0.0891 |
| AA120M-540B-R | 230 | 50 | 54 | 2.22 | 120 | 91.19% | 87.10% | 0.0741 |
| AA120U-120B1-R | 230 | 50 | 12 | 10 | 120 | 89.10% | 87.31% | 0.0677 |
| AA120U-120B-R | 230 | 50 | 12 | 9 | 108 | 89.09% | 87.14% | 0.0728 |
| AA120U-240B-R | 230 | 50 | 24 | 5 | 120 | 90.82% | 86.73% | 0.0906 |
| AA120U-480B-R | 230 | 50 | 48 | 2.5 | 120 | 91.30% | 87.95% | 0.0891 |
| AA120U-540B-R | 230 | 50 | 54 | 2.22 | 120 | 91.19% | 87.10% | 0.0741 |
| AA120W-120B1-R | 230 | 50 | 12 | 10 | 120 | 89.10% | 87.31% | 0.0677 |
| AA120W-120B-R | 230 | 50 | 12 | 9 | 108 | 89.09% | 87.14% | 0.0728 |
| AA120W-240B-R | 230 | 50 | 24 | 5 | 120 | 90.82% | 86.73% | 0.0906 |
| AA120W-480B-R | 230 | 50 | 48 | 2.5 | 120 | 91.30% | 87.95% | 0.0891 |
| AA120W-540B-R | 230 | 50 | 54 | 2.22 | 120 | 91.19% | 87.10% | 0.0741 |
| AA12E-120A-R | 230 | 50 | 12 | 1 | 12 | 84.20% | 80.50% | 0.055 |
| AA150M-240B-R | 230 | 50 | 24 | 6.25 | 21.25 | 91.91% | 83.15% | 0.0665 |
| AA150M-480B-R | 230 | 50 | 48 | 3.12 | 150 | 91.83% | 83.77% | 0.1076 |
| AA150M-540B-R | 230 | 50 | 54 | 2.778 | 150 | 91.83% | 83.77% | 0.1076 |
| AA18E-120GVS1-R | 230 | 50 | 12 | 1.5 | 18 | 86.69% | 81.51% | 0.052 |
| AA18E-120GVS1-R | 230 | 50 | 12 | 1.5 | 18 | 86.69% | 81.51% | 0.052 |
| AA18K-120GVS1-R | 230 | 50 | 12 | 1.5 | 18 | 86.69% | 81.51% | 0.052 |
| AA18K-120GVS1-R | 230 | 50 | 12 | 1.5 | 18 | 86.69% | 81.51% | 0.052 |
| AA20R-120A-R | 230 | 50 | 12 | 1.67 | 20.04 | 86.61% | 81.63% | 0.0628 |
| AA20R-240A-R | 230 | 50 | 24 | 0.83 | 19.92 | 87.16% | 79.05% | 0.0685 |
| AA20R-480A-R | 230 | 50 | 48 | 0.42 | 20.16 | 86.78% | 76.71% | 0.0575 |
| AA27E-59CFKA-R | 230 | 50 | 20 | 1.35 | 27 | 89.31% | 79.77% | 0.0224 |
| AA27E-59CFKA-R | 230 | 50 | 5 | 3 | 15 | 86.21% | 81.70% | 0.0224 |
| AA27E-59CFKA-R | 230 | 50 | 12 | 2.25 | 27 | 89.81% | 82.49% | 0.0224 |
| AA27E-59CFKA-R | 230 | 50 | 15 | 1.8 | 27 | 89.81% | 82.49% | 0.0224 |
| AA27E-59CFKA-R | 230 | 50 | 9 | 3 | 27 | 88.79% | 93.90% | 0.0224 |
| AA27K-59CFKA-R | 230 | 50 | 20 | 1.35 | 27 | 89.31% | 79.77% | 0.0224 |
| AA27K-59CFKA-R | 230 | 50 | 5 | 3 | 15 | 86.21% | 81.70% | 0.0224 |
| AA27K-59CFKA-R | 230 | 50 | 12 | 2.25 | 27 | 89.81% | 82.49% | 0.0224 |
| AA27K-59CFKA-R | 230 | 50 | 15 | 1.8 | 27 | 89.81% | 82.49% | 0.0224 |
| AA27K-59CFKA-R | 230 | 50 | 9 | 3 | 27 | 88.79% | 93.90% | 0.0224 |
| AA30E-120A-R | 230 | 50 | 12 | 2.5 | 30 | 88.64% | 83.84% | 0.064 |

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| PNAME | Input voltage (Vac) | Input AC frequency (Hz) | Output voltage (Vdc) | Output current (A) | Output power (W) | Average active efficiency | Efficiency at low load(10%) | NO load (W) |
|-----------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| AA30E-120AWA-R | 230 | 50 | 12 | 2.5 | 30 | 88.64% | 83.84% | 0.064 |
| AA30E-120AWT-R | 230 | 50 | 12 | 2.5 | 30 | 88.64% | 83.84% | 0.064 |
| AA36U-120B-R | 230 | 50 | 12 | 3 | 36 | 90.20% | 88.56% | 0.0346 |
| AA36U-240B-R | 230 | 50 | 24 | 1.5 | 36 | 89.50% | 83.35% | 0.07 |
| AA45E-59FKB-R | 230 | 50 | 5 | 3 | 15 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKB-R | 230 | 50 | 20 | 2.25 | 45 | 90.21% | 81.68% | 0.0552 |
| AA45E-59FKBW-R | 230 | 50 | 5 | 3 | 15 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKBW-R | 230 | 50 | 20 | 2.25 | 45 | 90.21% | 81.68% | 0.0552 |
| AA45E-59FKC-RW | 230 | 50 | 5 | 3 | 15 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKC-RW | 230 | 50 | 9 | 3 | 27 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKC-RW | 230 | 50 | 15 | 3 | 45 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKC-RW | 230 | 50 | 20 | 2.25 | 45 | 82.80% | 80.27% | 0.0552 |
| AA45E-59FKD1-RW | 230 | 50 | 5 | 3 | 15 | 83.58% | 82.65% | 0.0308 |
| AA45E-59FKD1-RW | 230 | 50 | 20 | 2.25 | 45 | 90.81% | 83.16% | 0.0308 |
| AA45K-59FKB-H | 230 | 50 | 5 | 3 | 15 | 82.80% | 80.27% | 0.0552 |
| AA45K-59FKB-H | 230 | 50 | 20 | 2.25 | 45 | 90.21% | 81.68% | 0.0552 |
| AA45K-59FKB-R | 230 | 50 | 5 | 3 | 15 | 82.80% | 80.27% | 0.0552 |
| AA45K-59FKB-R | 230 | 50 | 20 | 2.25 | 45 | 90.21% | 81.68% | 0.0552 |
| AA60M-59FKA-R | 230 | 50 | 20 | 3 | 60 | 91.22% | 83.19% | 0.0615 |
| AA60M-59FKA-R | 230 | 50 | 5 | 3 | 15 | 85.76% | 84.74% | 0.0615 |
| AA60W-59FKA-R | 230 | 50 | 20 | 3 | 60 | 91.22% | 83.19% | 0.0615 |
| AA60W-59FKA-R | 230 | 50 | 5 | 3 | 15 | 85.76% | 84.74% | 0.0615 |
| AA65M-180A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65M-190A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65M-480A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65M-540A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65M-59FKA-R | 230 | 50 | 20 | 3.25 | 65 | 91.40% | 83.81% | 0.0619 |
| AA65M-59FKA-R | 230 | 50 | 5 | 3 | 15 | 85.52% | 84.26% | 0.0619 |
| AA65U-180A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65U-190A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65U-480A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65U-540A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65W-180A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65W-190A-R | 230 | 50 | 18 | 3.61 | 64.98 | 90.09% | 85.42% | 0.0816 |
| AA65W-480A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65W-540A-R | 230 | 50 | 48 | 1.35 | 64.8 | 91.52% | 85.86% | 0.1145 |
| AA65W-59FKA-R | 230 | 50 | 20 | 3.25 | 65 | 91.40% | 83.81% | 0.0619 |
| AA65W-59FKA-R | 230 | 50 | 5 | 3 | 15 | 85.52% | 84.26% | 0.0619 |
| AA90U-120AC-R | 230 | 50 | 12 | 7.5 | 90 | 89.10% | 89.80% | 0.0911 |
| AA90U-120B-R | 230 | 50 | 12 | 7.5 | 90 | 90.40% | 89.50% | 0.085 |
| AA90U-190B-R | 230 | 50 | 19 | 4.74 | 90.06 | 91.30% | 89.50% | 0.115 |
| AA90U-240B-R | 230 | 50 | 24 | 3.75 | 90 | 90.40% | 89.50% | 0.085 |
| AA90U-480B-R | 230 | 50 | 48 | 1.875 | 90 | 90.40% | 89.50% | 0.085 |
| AA90U-540B-R | 230 | 50 | 54 | 1.67 | 90.18 | 91.30% | 87.60% | 0.134 |
| AA90U-540B-R | 230 | 50 | 54 | 1.67 | 90.18 | 91.30% | 87.61% | 0.134 |

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|------------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| AA90W-120B-R | 230 | 50 | 12 | 7.5 | 90 | 90.40% | 89.50% | 0.085 |
| AA90W-190B-R | 230 | 50 | 19 | 4.74 | 90.06 | 91.30% | 89.50% | 0.115 |
| AA90W-240B-R | 230 | 50 | 24 | 3.75 | 90 | 90.40% | 89.50% | 0.085 |
| AA90W-480B-R | 230 | 50 | 48 | 1.875 | 90 | 90.40% | 89.50% | 0.085 |
| AA90W-540B-R | 230 | 50 | 54 | 1.67 | 90.18 | 91.30% | 87.60% | 0.134 |
| AA90W-540B-R | 230 | 50 | 54 | 1.67 | 90.18 | 91.30% | 87.61% | 0.134 |
| AM03E-050A-H | 230 | 50 | 5 | 0.55 | 2.75 | 70.02% | 62.61% | 0.037 |
| AM04R-059C-R | 230 | 50 | 5.9 | 0.75 | 4.425 | 76.02% | 65.03% | 0.049 |
| AM05A-050A-R | 230 | 50 | 5 | 1 | 5 | 76.59% | 66.80% | 0.033 |
| AM05E-050A-R | 230 | 50 | 5 | 1 | 5 | 70.00% | 66.90% | 0.045 |
| AM05E-050C-R | 230 | 50 | 5 | 1 | 5 | 75.37% | 68.43% | 0.0244 |
| AM05E-050D-R | 230 | 50 | 5 | 1 | 5 | 75.52% | 70.00% | 0.0509 |
| AM05E-050I-R | 230 | 50 | 5 | 1 | 5 | 76.20% | 67.80% | 0.021 |
| AM05E-075A(GN)-H | 230 | 50 | 7.5 | 0.65 | 4.875 | 80.95% | 71.99% | 0.028 |
| AM05E-120A-R | 230 | 50 | 12 | 0.4 | 4.8 | 83.02% | 69.70% | 0.062 |
| AM05K-050A-R | 230 | 50 | 5 | 1 | 5 | 76.90% | 66.90% | 0.022 |
| AM05K-050C-R | 230 | 50 | 5 | 1 | 5 | 75.37% | 68.43% | 0.0244 |
| AM05K-050I-R | 230 | 50 | 5 | 1 | 5 | 76.20% | 67.80% | 0.021 |
| AM05K-075A(GN)-H | 230 | 50 | 7.5 | 0.65 | 4.875 | 80.95% | 71.99% | 0.028 |
| AM05R-050C-R | 230 | 50 | 5 | 1 | 5 | 75.37% | 68.43% | 0.0244 |
| AM05R-050I-R | 230 | 50 | 5 | 1 | 5 | 74.90% | 67.50% | 0.022 |
| AM05R-075A(GN)-H | 230 | 50 | 7.5 | 0.65 | 4.875 | 80.00% | 71.10% | 0.027 |
| AM08E-050B-R | 230 | 50 | 5 | 1.5 | 7.5 | 78.36% | 72.00% | 0.046 |
| AM08K-050B-R | 230 | 50 | 5 | 1.5 | 7.5 | 78.36% | 72.00% | 0.046 |
| AM08R-050B-R | 230 | 50 | 5 | 1.5 | 7.5 | 78.13% | 73.66% | 0.047 |
| AM10E-095B-R | 230 | 50 | 9.5 | 1 | 9.5 | 83.65% | 75.45% | 0.0504 |
| AM10K-095B-R | 230 | 50 | 9.5 | 1 | 9.5 | 83.65% | 75.45% | 0.0504 |
| AM10W-095C-R | 230 | 50 | 9.5 | 1 | 9.5 | 83.00% | 76.18% | 0.0469 |
| AM11E-050A-R | 230 | 50 | 5 | 2.2 | 11 | 82.01% | 82.64% | 0.0463 |
| AM11K-050A-R | 230 | 50 | 5 | 2.2 | 11 | 82.01% | 82.64% | 0.0463 |
| AM13E-220A-H | 230 | 50 | 22 | 0.6 | 13.2 | 86.60% | 79.70% | 0.048 |
| AM15E-050A-R | 230 | 50 | 5 | 3 | 15 | 83.11% | 81.77% | 0.069 |
| AM15K-050A-R | 230 | 50 | 5 | 3 | 15 | 83.11% | 81.77% | 0.069 |
| AM18E-300A-H | 230 | 50 | 30 | 0.6 | 18 | 86.80% | 80.00% | 0.059 |
| AM18K-300A-H | 230 | 50 | 30 | 0.6 | 18 | 86.80% | 80.00% | 0.059 |
| AM24E-120F-R | 230 | 50 | 12 | 2 | 24 | 88.20% | 80.72% | 0.051 |
| AM24W-080B-R | 230 | 50 | 8 | 3 | 24 | 88.40% | 84.37% | 0.0283 |
| AM24W-080I-R | 230 | 50 | 8 | 3 | 24 | 86.80% | 84.80% | 0.024 |
| AM32W-080A-R | 230 | 50 | 8 | 4 | 32 | 89.00% | 86.15% | 0.0516 |
| AM32W-080I-R | 230 | 50 | 8 | 4 | 32 | 88.80% | 88.00% | 0.055 |
| AM45M-59FKB-RW | 230 | 50 | 5 | 3 | 45 | 84.70% | 84.86% | 0.033 |
| AM50U-480A-R | 230 | 50 | 48 | 1.042 | 50.016 | 91.10% | 85.80% | 0.075 |
| AM66U-120A-R | 230 | 50 | 12 | 5.5 | 66 | 89.66% | 86.10% | 0.0902 |
| AM70U-240A-R | 230 | 50 | 24 | 2.92 | 70.08 | 90.96% | 87.76% | 0.0908 |
| AM85W-240A-R | 230 | 50 | 24 | 3.54 | 84.96 | 90.67% | 89.88% | 0.115 |

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| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| AN05E-050A-R | 230 | 50 | 5 | 1 | 5 | 76.49% | 67.22% | 0.029 |
| AN05K-050A-R | 230 | 50 | 5 | 1 | 5 | 76.49% | 67.22% | 0.029 |
| AN10A-050DVC1-HW | 230 | 50 | 5 | 2 | 10 | 82.51% | 78.48% | 0.0598 |
| AN10A-050Q1-HW | 230 | 50 | 5 | 2 | 10 | 82.51% | 78.48% | 0.0598 |
| AN10A-050Q-HW | 230 | 50 | 5 | 2 | 10 | 82.51% | 78.48% | 0.0598 |
| AN10E-0501P-H | 230 | 50 | 5 | 2 | 10 | 80.58% | 78.26% | 0.0272 |
| AN10E-050B-HW | 230 | 50 | 5 | 2 | 10 | 80.04% | 76.75% | 0.025 |
| AN10E-050BM-HW | 230 | 50 | 5 | 2 | 10 | 83.30% | 77.80% | 0.023 |
| AN10E-050D-H | 230 | 50 | 5 | 2 | 10 | 83.69% | 78.13% | 0.061 |
| AN10E-050DVC1-H | 230 | 50 | 5 | 2 | 10 | 83.69% | 78.13% | 0.061 |
| AN10E-050M-H | 230 | 50 | 5 | 2 | 10 | 82.17% | 82.83% | 0.027 |
| AN10E-050P-H | 230 | 50 | 5 | 2 | 10 | 80.58% | 78.26% | 0.0272 |
| AN10E-050P-H | 230 | 50 | 5 | 2 | 10 | 80.58% | 78.26% | 0.0272 |
| AN10H-050M-H | 230 | 50 | 5 | 2 | 10 | 82.43% | 84.38% | 0.022 |
| AN10K-050B-HW | 230 | 50 | 5 | 2 | 10 | 83.30% | 77.80% | 0.023 |
| AN14R-055A-R | 230 | 50 | 5.5 | 2.5 | 13.75 | 81.90% | 76.61% | 0.0732 |
| AN14R-055A-RW | 230 | 50 | 5.5 | 2.5 | 13.75 | 81.90% | 76.61% | 0.0732 |
| AN14R-055AW-RW | 230 | 50 | 5.5 | 2.5 | 13.75 | 81.90% | 76.61% | 0.0732 |
| AN18E-090A-H | 230 | 50 | 9 | 2 | 18 | 85.90% | 80.80% | 0.017 |
| AN18E-090A-H | 230 | 50 | 5 | 3 | 15 | 83.10% | 82.20% | 0.017 |
| AN18E-59G-H | 230 | 50 | 9 | 2 | 18 | 88.19% | 81.96% | 0.0154 |
| AN18E-59G-H | 230 | 50 | 5 | 3 | 15 | 85.15% | 83.04% | 0.0154 |
| AN18E-59H-H | 230 | 50 | 5 | 3 | 18 | 83.10% | 82.20% | 0.017 |
| AN18E-59H-H | 230 | 50 | 9 | 2 | 18 | 83.10% | 82.20% | 0.017 |
| AN18I-59G-H | 230 | 50 | 9 | 2 | 18 | 88.19% | 81.96% | 0.0154 |
| AN18K-090A-H | 230 | 50 | 9 | 2 | 18 | 85.90% | 80.80% | 0.017 |
| AN18K-090A-H | 230 | 50 | 5 | 3 | 15 | 83.10% | 82.20% | 0.017 |
| AN18K-59G-H | 230 | 50 | 9 | 2 | 18 | 88.19% | 81.96% | 0.0154 |
| AN18V-59CB-R | 230 | 50 | 5 | 3 | 15 | 81.92% | 79.82% | 0.015 |
| AN18V-59CFA-H | 230 | 50 | 5 | 3 | 15 | 83.66% | 82.11% | 0.015 |
| AN23E-100E-HW | 230 | 50 | 5 | 2 | 10 | 84.80% | 73.79% | 0.0508 |
| AN23E-100E-HW | 230 | 50 | 9 | 2 | 18 | 87.57% | 84.86% | 0.0508 |
| AN23E-100E-HW | 230 | 50 | 10 | 2.25 | 22.5 | 87.60% | 85.18% | 0.0508 |
| AN24E-59CA-H | 230 | 50 | 12 | 2 | 24 | 88.40% | 80.10% | 0.023 |
| AN24E-59CA-H | 230 | 50 | 5 | 3 | 15 | 84.50% | 80.50% | 0.023 |
| AN24K-59CA-H | 230 | 50 | 12 | 2 | 24 | 88.40% | 80.10% | 0.023 |
| AN24K-59CA-H | 230 | 50 | 5 | 3 | 15 | 84.50% | 80.50% | 0.023 |
| AN45E-59CFKCB-H | 230 | 50 | 5 | 3 | 15 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 9 | 3 | 27 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 15 | 3 | 45 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 20 | 2.25 | 45 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 5 | 3 | 15 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 9 | 3 | 27 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 15 | 3 | 45 | 84.97% | 81.50% | 0.0344 |
| AN45E-59CFKCB-H | 230 | 50 | 20 | 2.25 | 45 | 84.97% | 81.50% | 0.0344 |

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|----------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| AN60W-59FKKA-R | 230 | 50 | 5 | 3 | 15 | 85.56% | 84.85% | 0.0401 |
| AN60W-59FKKA-R | 230 | 50 | 9 | 3 | 27 | 85.56% | 84.85% | 0.0401 |
| AN60W-59FKKA-R | 230 | 50 | 15 | 3 | 45 | 85.56% | 84.85% | 0.0401 |
| AN60W-59FKKA-R | 230 | 50 | 20 | 3 | 60 | 85.56% | 84.85% | 0.0401 |
| AN65E-59FKB-R | 230 | 50 | 5 | 3 | 15 | 84.40% | 76.40% | 0.075 |
| AN65E-59FKB-R | 230 | 50 | 20 | 3.25 | 65 | 91.60% | 88.70% | 0.075 |
| AQ05E-050B-R | 230 | 50 | 5 | 1 | 5 | 75.95% | 71.00% | 0.032 |
| AQ05V-050A-R | 230 | 50 | 5 | 1 | 5 | 76.04% | 68.25% | 0.0393 |
| AQ15E-050A-H | 230 | 50 | 5 | 3 | 15 | 76.40% | 77.00% | 0.038 |
| AQ15E-050B-H | 230 | 50 | 5 | 3 | 15 | 84.00% | 78.70% | 0.06 |
| AQ15E-050BW-H | 230 | 50 | 5 | 3 | 15 | 84.00% | 78.70% | 0.06 |
| AQ15E-050BW-H | 230 | 50 | 5 | 3 | 15 | 85.10% | 79.06% | 0.06 |
| AQ15K-050BW-H | 230 | 50 | 5 | 3 | 15 | 85.10% | 79.06% | 0.06 |
| AQ18E-308B-R | 230 | 50 | 12 | 1.5 | 18 | 88.10% | 78.17% | 0.0283 |
| AQ18E-308B-R | 230 | 50 | 5 | 3 | 15 | 83.25% | 81.88% | 0.0283 |
| AQ18E-59A-H | 230 | 50 | 5 | 3 | 15 | 81.63% | 78.83% | 0.0515 |
| AQ18E-59A-H | 230 | 50 | 9 | 2 | 18 | 86.41% | 83.09% | 0.0515 |
| AQ18K-59A-H | 230 | 50 | 5 | 3 | 15 | 81.63% | 78.83% | 0.0515 |
| AQ18K-59A-H | 230 | 50 | 9 | 2 | 18 | 86.41% | 83.09% | 0.0515 |
| AQ27E-59A-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27E-59A-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 15 | 1.8 | 27 | 88.84% | 78.19% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 12 | 2.25 | 45 | 89.16% | 80.64% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 15 | 1.8 | 27 | 88.84% | 78.19% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 12 | 2.25 | 27 | 89.16% | 80.64% | 0.0293 |
| AQ27E-59CFA-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ27K-59A-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27K-59A-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 15 | 1.8 | 27 | 88.84% | 78.19% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 12 | 2.25 | 45 | 89.16% | 80.64% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 15 | 1.8 | 27 | 88.84% | 78.19% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 5 | 3 | 15 | 86.52% | 80.44% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 12 | 2.25 | 27 | 89.16% | 80.64% | 0.0293 |
| AQ27K-59CFA-H | 230 | 50 | 9 | 3 | 27 | 88.85% | 82.20% | 0.0293 |
| AQ36E-59FA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |
| AQ36E-59FA-H | 230 | 50 | 9 | 3 | 27 | 88.13% | 83.30% | 0.058 |
| AQ36E-5CA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |
| AQ36E-5CA-H | 230 | 50 | 12 | 3 | 36 | 89.02% | 83.91% | 0.058 |
| AQ36E-5CFAC-H | 230 | 50 | 5 | 3 | 15 | 83.51% | 73.69% | 0.0492 |
| AQ36E-5CFA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |

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**COMMISSION REGULATION (EU) 2019/1782
of 1 October 2019**

**laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC
of the European Parliament and of the Council and repealing Commission Regulation (EC)
No 278/2009**

Information published

| PNAME | Input voltage (Vac) | Input AC frequency (Hz) | Output voltage (Vdc) | Output current (A) | Output power (W) | Average active efficiency | Efficiency at low load(10%) | NO load (W) |
|-------------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| AQ36E-5CFA-H | 230 | 50 | 15 | 2.4 | 36 | 88.65% | 83.33% | 0.058 |
| AQ36E-5CFA-H | 230 | 50 | 12 | 3 | 36 | 89.02% | 83.91% | 0.058 |
| AQ45E-59FA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |
| AQ45E-59FA-H | 230 | 50 | 9 | 3 | 27 | 88.13% | 83.73% | 0.058 |
| AQ45E-59FA-H | 230 | 50 | 15 | 3 | 45 | 90.02% | 85.95% | 0.058 |
| AQ45E-5CKA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |
| AQ45E-5CKA-H | 230 | 50 | 12 | 3 | 36 | 89.02% | 83.91% | 0.058 |
| AQ45E-5CKA-H | 230 | 50 | 20 | 2.25 | 45 | 89.62% | 85.95% | 0.037 |
| AQ45E-5CKA-H | 230 | 50 | 5 | 3 | 15 | 84.20% | 76.41% | 0.058 |
| AQ60W-59FKKA-R | 230 | 50 | 5 | 3 | 15 | 85.56% | 84.85% | 0.0401 |
| AQ60W-59FKKA-R | 230 | 50 | 9 | 3 | 27 | 85.56% | 84.85% | 0.0401 |
| AQ60W-59FKKA-R | 230 | 50 | 15 | 3 | 45 | 85.56% | 84.85% | 0.0401 |
| AQ60W-59FKKA-R | 230 | 50 | 20 | 3 | 60 | 85.56% | 84.85% | 0.0401 |
| HN-200500EP0 | 230 | 50 | 20 | 5 | 100 | 90.92% | 83.27% | 0.083 |
| HW-100200B00 | 230 | 50 | 5 | 2 | 10 | 83.62% | 76.56% | 0.0462 |
| HW-100200B00 | 230 | 50 | 10 | 2 | 20 | 85.54% | 76.56% | 0.0474 |
| HW-100200B00 | 230 | 50 | 9 | 2 | 18 | 85.35% | 76.56% | 0.0474 |
| HW-100200E00 | 230 | 50 | 5 | 2 | 10 | 83.62% | 76.56% | 0.0462 |
| HW-100200E00 | 230 | 50 | 10 | 2 | 20 | 85.54% | 76.56% | 0.0474 |
| HW-100200E00 | 230 | 50 | 9 | 2 | 18 | 85.35% | 76.56% | 0.0474 |
| HW-120150B3W | 230 | 50 | 12.0 | 1.5 | 18.0 | 86.04% | 76.25% | 0.09 |
| KSC-25LS(E)-R | 230 | 50 | 12 | 1 | 12 | 84.40% | 80.57% | 0.06 |
| KSC-25LS(J/C2)-R | 230 | 50 | 12 | 1 | 12 | 84.40% | 80.57% | 0.06 |
| KSC-25LS(T2)-R | 230 | 50 | 12 | 1 | 12 | 84.40% | 80.57% | 0.06 |
| KSC-25S(E/T2)-R | 230 | 50 | 15 | 1 | 15 | 84.53% | 79.96% | 0.077 |
| L-POEI-BL | 230 | 50 | 56 | 0.275 | 15.4 | 86.80% | 75.60% | 0.063 |
| PMA10R-050A-R | 230 | 50 | 5 | 2 | 10 | 81.22% | 77.47% | 0.059 |
| POE15M-560E-R | 230 | 50 | 56 | 0.275 | 15.4 | 85.22% | 69.24% | 0.073 |
| POE15M-AFA2212-R | 230 | 50 | 56 | 0.275 | 15.4 | 86.90% | 77.20% | 0.038 |
| POE15M-AFB1112-H | 230 | 50 | 56 | 0.275 | 15.4 | 86.16% | 76.20% | 0.0705 |
| POE15M-PSA2660-R | 230 | 50 | 56 | 0.275 | 15.4 | 86.90% | 77.20% | 0.038 |
| POE15W-AFB1112-H | 230 | 50 | 56 | 0.275 | 15.4 | 86.16% | 76.20% | 0.0705 |
| POE15W-PSA2660-R | 230 | 50 | 56 | 0.275 | 15.4 | 86.90% | 77.20% | 0.038 |
| POE16E-1AFG6-2Z-H | 230 | 50 | 56 | 0.275 | 15.4 | 86.80% | 75.60% | 0.063 |
| POE16R-1AFG6-2-R | 230 | 50 | 56 | 0.275 | 15.4 | 86.80% | 75.60% | 0.063 |
| POE16R-1AFG6-2Z-R | 230 | 50 | 56 | 0.275 | 15.4 | 86.80% | 75.60% | 0.063 |
| POE16R-560L6-R | 230 | 50 | 56 | 0.275 | 15.4 | 84.32% | 67.76% | 0.074 |
| POE16R-560L6W-R | 230 | 50 | 56 | 0.275 | 15.4 | 84.32% | 67.76% | 0.075 |
| POE16R-AFA2212-H | 230 | 50 | 56 | 0.275 | 15.4 | 86.80% | 75.60% | 0.063 |
| POE29U-560(K)-R | 230 | 50 | 56 | 0.536 | 30.016 | 88.10% | 78.80% | 0.064 |
| POE29U-560-R | 230 | 50 | 56 | 0.536 | 30.016 | 88.90% | 79.82% | 0.071 |
| POE29W-560-R | 230 | 50 | 56 | 0.536 | 30.016 | 89.03% | 80.67% | 0.071 |
| POE30R-1ATP-R | 230 | 50 | 56 | 0.536 | 30 | 87.21% | 77.44% | 0.0607 |
| POE60U-1BT(25K)-R | 230 | 50 | 56 | 0.535 | 29.96 | 89.98% | 82.65% | 0.104 |
| POE60U-1BTEP-R | 230 | 50 | 56 | 0.535 | 29.96 | 88.72% | 82.60% | 0.1138 |

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of 1 October 2019**

**laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC
of the European Parliament and of the Council and repealing Commission Regulation (EC)
No 278/2009**

Information published

| PNAME | Input voltage (Vac) | Input AC frequency (Hz) | Output voltage (Vdc) | Output current (A) | Output power (W) | Average active efficiency | Efficiency at low load(10%) | NO load (W) |
|--------------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| POE60U-1BTG(25K)-R | 230 | 50 | 56 | 0.535 | 29.96 | 89.98% | 82.65% | 0.104 |
| POE60U-1BTL6-R | 230 | 50 | 56 | 0.535 | 29.96 | 88.90% | 79.82% | 0.104 |
| POE60U-560-2-R | 230 | 50 | 56 | 1.07 | 59.92 | 94.01% | 91.57% | 0.132 |
| POE60U-560-5-R | 230 | 50 | 56 | 1.07 | 59.92 | 92.74% | 84.12% | 0.136 |
| POE60U-560E-R | 230 | 50 | 56 | 1.07 | 59.92 | 92.53% | 89.64% | 0.111 |
| POE60U-560-R | 230 | 50 | 56 | 1.07 | 59.92 | 93.54% | 90.01% | 0.11 |
| POE60U-560-X-R | 230 | 50 | 56 | 1.07 | 59.92 | 91.35% | 87.40% | 0.126 |
| POE61U-560D-R | 230 | 50 | 56 | 1.1 | 61.6 | 89.76% | 86.01% | 0.143 |
| POE61W-560D-R | 230 | 50 | 56 | 1.1 | 61.6 | 89.99% | 82.93% | 0.147 |
| POE90U-1BT-2-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-1BT-5-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-1BT6-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-1BT6-V-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-1BT-N6-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-1BT-X-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-560-2-R | 230 | 50 | 56 | 1.6 | 89.6 | 89.10% | 86.72% | 0.107 |
| POE90U-560-2-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-560-5-R | 230 | 50 | 56 | 1.6 | 89.6 | 89.07% | 86.10% | 0.107 |
| POE90U-560-5-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-560-C-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-560P-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-560-R | 230 | 50 | 56 | 1.6 | 89.6 | 89.72% | 83.34% | 0.073 |
| POE90U-560-X-R | 230 | 50 | 56 | 1.6 | 89.6 | 89.10% | 86.72% | 0.107 |
| POE90U-560-X-R | 230 | 50 | 56 | 0.8 | 45 | 88.70% | 85.71% | 0.147 |
| POE90U-BTA5212-H | 230 | 50 | 56 | 0.8 | 45 | 89.47% | 86.05% | 0.0675 |
| POE90U-BTAX460-R | 230 | 50 | 56 | 0.8 | 45 | 89.47% | 86.05% | 0.0675 |
| POE90U-PSAX460-R | 230 | 50 | 56 | 0.8 | 45 | 89.47% | 86.05% | 0.0675 |
| POEA30U-1AT-5S-R | 230 | 50 | 56 | 0.536 | 30.016 | 89.90% | 81.40% | 0.071 |
| POEA30U-1AT-BB-R | 230 | 50 | 56 | 0.536 | 30.016 | 89.90% | 81.40% | 0.071 |
| POEA30U-1ATE(V)-R | 230 | 50 | 56 | 0.536 | 30.016 | 89.90% | 81.40% | 0.071 |
| POEA30U-1AT-S-R | 230 | 50 | 56 | 0.536 | 30.016 | 89.90% | 81.40% | 0.071 |
| POEO75U-1BT-A-H | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BTC-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-C-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-VE-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-VK-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-V-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-VS-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| POEO75U-1BT-X-R | 230 | 50 | 56 | 0.8 | 45 | 85.29% | 86.21% | 0.129 |
| PPL36E-240 | 230 | 50 | 24 | 1.5 | 36 | 89.25% | 83.61% | 0.0641 |
| PPL36U-240 | 230 | 50 | 24 | 1.5 | 36 | 89.25% | 83.61% | 0.0641 |
| PPL36W-240 | 230 | 50 | 24 | 1.5 | 36 | 89.25% | 83.61% | 0.0641 |
| PSA05E-050QL6A-H | 230 | 50 | 5 | 1 | 5 | 76.30% | 65.20% | 0.03 |
| PSA05F-050QAL6-H | 230 | 50 | 5 | 1 | 5 | 76.30% | 64.80% | 0.0348 |

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of the European Parliament and of the Council and repealing Commission Regulation (EC)
No 278/2009**

Information published

| PNAME | Input voltage (Vac) | Input AC frequency (Hz) | Output voltage (Vdc) | Output current (A) | Output power (W) | Average active efficiency | Efficiency at low load(10%) | NO load (W) |
|--------------------|---------------------|-------------------------|----------------------|--------------------|------------------|---------------------------|-----------------------------|-------------|
| 1504941-0001 | 230 | 50 | 12 | 2.99 | 35.88 | 88.38% | 83.59% | 0.2614 |
| PSA10F-050Q(CI)E-R | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050Q(CI)-R | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050Q-H | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050Q-IH-R | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050Q-IT-R | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050Q-R | 230 | 50 | 5 | 2 | 10 | 80.09% | 72.15% | 0.0743 |
| PSA10F-050-R | 230 | 50 | 5 | 2 | 10 | 79.33% | 71.92% | 0.077 |
| PSA120U-120L6-R | 230 | 50 | 12 | 9 | 108 | 89.37% | 90.29% | 0.0846 |
| PSA120U-540L6NT-R | 230 | 50 | 54 | 2.22 | 119.88 | 92.43% | 91.40% | 0.1254 |
| PSA15E-308Q-H | 230 | 50 | 12 | 1.25 | 15 | 86.40% | 79.26% | 0.036 |
| PSA15E-308Q-H | 230 | 50 | 9 | 1.67 | 15.03 | 87.72% | 81.15% | 0.036 |
| PSA15E-308Q-H | 230 | 50 | 5 | 1.67 | 8.35 | 85.16% | 81.74% | 0.036 |
| PSA15K-308Q-H | 230 | 50 | 12 | 1.25 | 15 | 86.40% | 79.26% | 0.036 |
| PSA15K-308Q-H | 230 | 50 | 9 | 1.67 | 15.03 | 87.72% | 81.15% | 0.036 |
| PSA15K-308Q-H | 230 | 50 | 5 | 1.67 | 8.35 | 85.16% | 81.74% | 0.036 |
| PSA15R-120P6(H)-R | 230 | 50 | 12 | 1.25 | 15 | 85.60% | 77.50% | 0.054 |
| PSA15R-120P6-R | 230 | 50 | 12 | 1.25 | 15 | 85.60% | 77.50% | 0.054 |
| PSA15R-150P6-R | 230 | 50 | 12 | 1 | 12 | 85.54% | 73.87% | 0.072 |
| PSA15R-240P6-R | 230 | 50 | 24 | 0.625 | 15 | 85.08% | 72.39% | 0.0812 |
| PSA15R-480P6-PL-R | 230 | 50 | 48 | 0.31 | 14.88 | 87.04% | 76.51% | 0.0783 |
| PSA18E-082A-R | 230 | 50 | 8 | 2.25 | 18 | 86.87% | 84.48% | 0.0598 |
| PSA18K-082A-R | 230 | 50 | 8 | 2.25 | 18.45 | 86.56% | 85.52% | 0.06 |
| PSAA05E-050QL6V-R | 230 | 50 | 5 | 1 | 5 | 76.24% | 71.00% | 0.033 |
| PSAA05K-050QL6V-R | 230 | 50 | 5 | 1 | 5 | 75.52% | 70.44% | 0.033 |
| PSAA06R-120L6M1-RW | 230 | 50 | 12 | 0.5 | 6 | 83.10% | 73.30% | 0.055 |
| PSAA06R-120L6MT-RW | 230 | 50 | 12 | 0.5 | 6 | 83.20% | 73.30% | 0.054 |
| PSAA06R-120L6-R | 230 | 50 | 12 | 0.5 | 6 | 83.10% | 73.30% | 0.055 |
| PSAA15W-050L6-R | 230 | 50 | 5 | 3 | 15 | 82.40% | 75.90% | 0.049 |
| PSAA15W-120L6-R | 230 | 50 | 12 | 1.25 | 15 | 85.30% | 75.10% | 0.073 |
| PSAA15W-180L6-R | 230 | 50 | 18 | 0.83 | 14.94 | 86.70% | 76.10% | 0.049 |
| PSAA15W-240L6-R | 230 | 50 | 24 | 0.625 | 15 | 87.30% | 75.20% | 0.072 |