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Solar Panel Guide Specification Data Sheet

Ningbo Nesol Energy Co., Ltd.

NE5W-425W

NE40-18P

Also available on the web at
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MONO PV MODULE

NESOL

Specification List for Mono-crystalline silicon PV module

| Item | Power (w) | Max Power Voltage (V) | Max Power Current (A) | Open Circuit Voltage (V) | Short Circuit Current (A) | Number of cells (Pcs) | Size of cells (mm) | Module size (mm) | Weight (Kg) | Cell efficiency (%) | Module efficiency (%) |
|-----------|-----------|-----------------------|-----------------------|--------------------------|---------------------------|-----------------------|--------------------|------------------|-------------|---------------------|-----------------------|
| NE5-18M | 5 | 18.57 | 0.27 | 22.64 | 0.29 | 2*18 | 78*12 | 280*190*17 | 0.70 | 15.28% | 9.40% |
| NE10-18M | 10 | 18.57 | 0.54 | 22.64 | 0.58 | 4*9 | 52*31.2 | 250*350*17 | 1.20 | 17.64% | 11.43% |
| NE20-18M | 20 | 18.82 | 1.08 | 22.58 | 1.19 | 4*9 | 78*39 | 420*360*17 | 2.30 | 18.81% | 13.23% |
| NE30-18M | 30 | 17.80 | 1.69 | 22.20 | 1.80 | 2*18 | 156*26 | 360*550*20 | 2.50 | 21.16% | 15.15% |
| NE40-18M | 40 | 17.80 | 2.25 | 22.30 | 2.39 | 3*12 | 156*39 | 510*580*25 | 3.20 | 18.81% | 13.52% |
| NE50-18M | 50 | 17.80 | 2.81 | 22.40 | 3.02 | 4*9 | 156*52 | 540*670*25 | 4.00 | 17.64% | 13.82% |
| NE60-18M | 60 | 17.60 | 3.41 | 22.00 | 3.69 | 4*9 | 156*52 | 540*670*25 | 5.40 | 21.16% | 16.58% |
| NE70-18M | 70 | 15.09 | 4.64 | 18.39 | 5.14 | 4*9 | 156*78 | 780*670*30 | 6.60 | 16.46% | 13.39% |
| NE80-18M | 80 | 18.11 | 4.42 | 22.07 | 4.90 | 4*9 | 156*78 | 780*670*30 | 6.60 | 18.81% | 15.31% |
| NE90-18M | 90 | 18.14 | 4.96 | 22.09 | 5.43 | 4*9 | 156*93.6 | 900*670*30 | 8.00 | 17.64% | 14.93% |
| NE100-18M | 100 | 18.16 | 5.51 | 22.13 | 6.03 | 4*9 | 156*104 | 1000*670*30 | 8.00 | 17.64% | 14.93% |
| NE110-18M | 110 | 24.15 | 4.56 | 29.43 | 5.05 | 4*18 | 156*52 | 1020*670*35 | 8.80 | 19.40% | 16.10% |
| NE120-18M | 120 | 24.21 | 4.96 | 29.48 | 5.50 | 4*9 | 156*117 | 1120*670*35 | 9.50 | 18.81% | 15.99% |
| NE130-18M | 130 | 18.02 | 7.21 | 22.92 | 7.71 | 4*9 | 156*130 | 1230*670*35 | 10.50 | 18.34% | 15.77% |
| NE140-18M | 140 | 17.76 | 7.88 | 22.08 | 8.45 | 4*9 | 156*130 | 1230*670*35 | 10.50 | 19.75% | 16.99% |
| NE150-18M | 150 | 17.86 | 8.40 | 22.38 | 8.94 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 17.47% | 15.13% |
| NE160-18M | 160 | 18.23 | 8.78 | 22.48 | 9.49 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 18.63% | 16.14% |
| NE170-18M | 170 | 18.27 | 9.31 | 22.52 | 10.07 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 19.80% | 17.14% |
| NE180-18M | 180 | 18.64 | 9.66 | 22.62 | 10.62 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 20.96% | 18.15% |
| NE190-36M | 190 | 36.38 | 5.22 | 44.30 | 5.72 | 6*12 | 125*125 | 1580*808*35 | 15.50 | 11.06% | 14.88% |
| NE200-36M | 200 | 36.45 | 5.49 | 44.37 | 6.01 | 6*12 | 125*125 | 1580*808*35 | 15.50 | 11.64% | 15.67% |
| NE210-24M | 210 | 27.35 | 7.68 | 32.97 | 8.49 | 6*8 | 156*156 | 1320*992*35 | 15.00 | 18.34% | 16.04% |
| NE220-24M | 220 | 27.63 | 7.97 | 33.18 | 8.84 | 6*8 | 156*156 | 1320*992*35 | 15.00 | 19.21% | 16.80% |
| NE230-24M | 230 | 27.92 | 8.24 | 33.52 | 9.15 | 6*8 | 156*156 | 1320*992*35 | 15.00 | 20.09% | 17.56% |
| NE250-27M | 250 | 30.73 | 8.14 | 36.91 | 9.03 | 6*9 | 156*156 | 1482*992*35 | 17.00 | 19.41% | 17.01% |
| NE260-27M | 260 | 30.92 | 8.41 | 37.36 | 9.28 | 6*9 | 156*156 | 1482*992*35 | 17.00 | 20.18% | 17.69% |
| NE270-30M | 270 | 31.14 | 8.67 | 37.40 | 9.63 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 18.86% | 16.60% |
| NE280-30M | 280 | 31.19 | 8.98 | 37.44 | 9.97 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 19.56% | 17.21% |
| NE290-30M | 290 | 31.22 | 9.29 | 37.48 | 10.32 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 20.26% | 17.83% |
| NE295-30M | 295 | 31.28 | 9.43 | 37.52 | 10.35 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 20.61% | 18.13% |
| NE300-30M | 300 | 31.33 | 9.57 | 37.58 | 10.38 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 20.96% | 18.44% |
| NE305-30M | 305 | 31.38 | 9.72 | 37.62 | 10.42 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 21.43% | 18.75% |
| NE310-36M | 310 | 37.54 | 8.26 | 44.76 | 9.23 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 18.05% | 15.98% |
| NE320-36M | 320 | 37.83 | 8.46 | 44.84 | 9.52 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 18.63% | 16.49% |
| NE330-36M | 330 | 37.87 | 8.72 | 44.88 | 9.80 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 19.21% | 17.01% |
| NE340-36M | 340 | 38.95 | 8.73 | 46.37 | 9.34 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 19.80% | 17.52% |
| NE350-36M | 350 | 38.95 | 8.98 | 46.41 | 9.60 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 20.38% | 18.04% |
| NE360-36M | 360 | 39.00 | 9.23 | 46.45 | 9.87 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 20.96% | 18.55% |
| NE460-48M | 460 | 49.12 | 9.36 | 57.75 | 10.01 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 20.09% | 17.95% |
| NE470-48M | 470 | 49.77 | 9.44 | 58.84 | 10.10 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 20.52% | 18.34% |
| NE480-48M | 480 | 50.13 | 9.52 | 59.25 | 10.19 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 21.08% | 18.73% |
| NE490-48M | 490 | 50.52 | 9.70 | 60.35 | 10.29 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 21.52% | 19.12% |

POLY PV MODULE

NESOL

Specification List for Poly-crystalline silicon PV module

| Item | Power (w) | Max Power Voltage (V) | Max Power Current (A) | Open Circuit Voltage (V) | Short Circuit Current (A) | Number of cells (Pcs) | Size of cells (mm) | Module size (mm) | Weight (Kg) | Cell efficiency (%) | Module efficiency (%) |
|-----------|-----------|-----------------------|-----------------------|--------------------------|---------------------------|-----------------------|--------------------|------------------|-------------|---------------------|-----------------------|
| NE5-18P | 5 | 17.60 | 0.29 | 21.80 | 0.31 | 2*18 | 78*12 | 280*190*17 | 0.70 | 15.14% | 14.84% |
| NE10-18P | 10 | 18.20 | 0.55 | 21.96 | 0.59 | 4*9 | 52*31.2 | 250*350*17 | 1.30 | 17.46% | 11.43% |
| NE20-18P | 20 | 17.20 | 1.17 | 21.80 | 1.23 | 4*9 | 78*39 | 360*420*17 | 2.20 | 18.63% | 13.23% |
| NE30-18P | 30 | 17.20 | 1.75 | 21.80 | 1.85 | 4*9 | 156*31.2 | 340*670*20 | 3.70 | 17.46% | 13.17% |
| NE40-18P | 40 | 19.46 | 2.06 | 24.20 | 2.20 | 3*12 | 156*39 | 580*510*25 | 4.00 | 18.63% | 13.52% |
| NE50-18P | 50 | 17.50 | 2.86 | 21.60 | 3.12 | 4*9 | 156*52 | 540*670*25 | 4.30 | 17.46% | 13.82% |
| NE60-18P | 60 | 18.01 | 3.36 | 21.61 | 3.70 | 4*9 | 156*63 | 630*670*30 | 5.20 | 17.30% | 14.21% |
| NE70-18P | 70 | 18.50 | 3.82 | 22.14 | 4.05 | 4*9 | 156*78 | 780*670*30 | 6.10 | 16.30% | 13.39% |
| NE80-18P | 80 | 17.17 | 4.66 | 21.55 | 4.95 | 4*9 | 156*78 | 780*670*30 | 6.80 | 18.63% | 15.31% |
| NE90-18P | 90 | 17.20 | 5.23 | 21.80 | 5.43 | 4*9 | 156*93.6 | 900*670*30 | 8.90 | 17.46% | 14.93% |
| NE100-18P | 100 | 17.20 | 5.82 | 21.80 | 6.18 | 4*9 | 156*104 | 1000*670*30 | 8.90 | 17.46% | 14.93% |
| NE110-18P | 110 | 17.20 | 6.40 | 21.80 | 6.82 | 4*18 | 156*52 | 1020*670*35 | 9.70 | 19.21% | 16.10% |
| NE120-18P | 120 | 17.30 | 6.94 | 21.60 | 7.51 | 4*9 | 156*130 | 1230*670*35 | 10.50 | 16.77% | 14.56% |
| NE140-18P | 140 | 17.60 | 7.96 | 22.05 | 8.58 | 4*9 | 156*136.5 | 1350*670*35 | 12.00 | 18.63% | 15.48% |
| NE150-18P | 150 | 17.80 | 8.43 | 22.32 | 8.96 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 17.30% | 15.13% |
| NE160-18P | 160 | 18.21 | 8.79 | 22.39 | 9.53 | 4*9 | 156*156 | 1480*670*35 | 12.00 | 18.45% | 16.14% |
| NE170-18P | 170 | 18.40 | 9.15 | 22.46 | 10.10 | 4*9 | 156*156 | 1480*670*35 | 13.00 | 19.60% | 17.14% |
| NE180-36P | 180 | 36.40 | 4.95 | 44.26 | 5.35 | 6*12 | 156*104 | 1320*992*35 | 13.00 | 15.64% | 13.75% |
| NE190-36P | 190 | 36.20 | 5.25 | 44.22 | 5.65 | 6*12 | 156*104 | 1320*992*35 | 15.00 | 16.51% | 14.51% |
| NE200-24P | 200 | 24.32 | 8.22 | 29.33 | 8.80 | 6*8 | 156*156 | 1320*992*35 | 15.00 | 17.30% | 15.27% |
| NE210-24P | 210 | 24.48 | 8.58 | 29.48 | 8.58 | 6*8 | 156*156 | 1320*992*35 | 15.00 | 18.16% | 16.04% |
| NE220-24P | 220 | 27.57 | 7.98 | 33.08 | 8.87 | 6*8 | 156*156 | 1480*992*35 | 17.00 | 19.03% | 14.98% |
| NE230-27P | 230 | 27.82 | 8.27 | 33.48 | 9.16 | 6*9 | 156*156 | 1480*992*35 | 17.00 | 17.68% | 15.67% |
| NE245-30P | 245 | 30.56 | 8.02 | 36.75 | 8.89 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 16.95% | 15.06% |
| NE250-30P | 250 | 30.68 | 8.15 | 36.90 | 9.03 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 17.30% | 15.37% |
| NE255-30P | 255 | 30.91 | 8.25 | 37.20 | 9.14 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 17.64% | 15.67% |
| NE260-30P | 260 | 30.92 | 8.41 | 37.90 | 9.15 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 17.99% | 15.98% |
| NE265-30P | 265 | 31.12 | 8.51 | 37.98 | 9.16 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 18.33% | 16.29% |
| NE270-30P | 270 | 31.61 | 8.54 | 37.54 | 9.14 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 18.68% | 16.60% |
| NE275-30P | 275 | 31.74 | 8.66 | 37.70 | 9.27 | 6*10 | 156*156 | 1640*992*35 | 18.00 | 19.03% | 16.90% |
| NE280-33P | 280 | 34.16 | 8.20 | 40.99 | 9.11 | 6*11 | 156*156 | 1790*992*40 | 20.50 | 17.61% | 15.77% |
| NE290-36P | 290 | 36.80 | 7.88 | 44.28 | 8.85 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 16.72% | 14.95% |
| NE300-36P | 300 | 37.23 | 8.06 | 44.71 | 8.95 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 17.30% | 15.46% |
| NE310-36P | 310 | 37.32 | 8.31 | 44.76 | 9.23 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 17.87% | 15.98% |
| NE320-36P | 320 | 37.62 | 8.51 | 44.84 | 9.52 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 18.45% | 16.49% |
| NE330-36P | 330 | 38.48 | 8.58 | 45.49 | 9.18 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 19.03% | 17.01% |
| NE335-36P | 335 | 38.67 | 8.66 | 45.66 | 9.27 | 6*12 | 156*156 | 1956*992*40 | 24.00 | 19.32% | 17.26% |
| NE420-48P | 420 | 48.98 | 8.57 | 58.42 | 9.16 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 18.16% | 16.39% |
| NE425-48P | 425 | 49.02 | 8.66 | 58.55 | 9.27 | 8*12 | 156*156 | 1956*1310*45 | 29.00 | 18.38% | 16.59% |