Manufacturer: Eltek

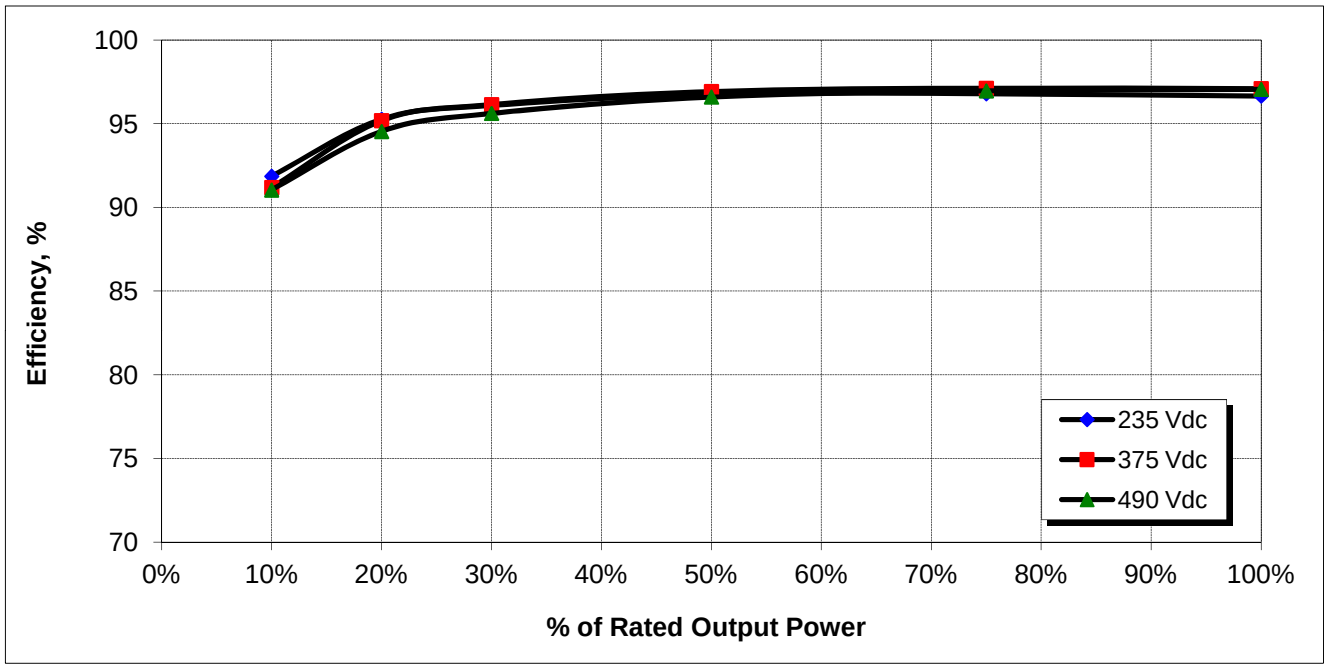
Model #: 2.0HE-t UL

Rated Maximum Continuous Output Power: 2.01 kW  Night Tare Loss: -0.97 W

Vmin: 235 Vdc  Vnom: 375 Vdc  Vmax: 490 Vdc

| | | Power Level (%; kW) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 50% | 75% | 100% | |
| Input Voltage (Vdc) | | 0.20 | 0.40 | 0.60 | 1.01 | 1.51 | 2.01 | Wtd |
| Vmin | 235 | 91.9 | 95.3 | 96.1 | 96.7 | 96.8 | 96.7 | 96.4 |
| Vnom | 375 | 91.2 | 95.2 | 96.1 | 96.9 | 97.1 | 97.1 | 96.6 |
| Vmax | 490 | 91.0 | 94.5 | 95.6 | 96.6 | 97.0 | 97.1 | 96.4 |

**CEC Efficiency = 96.5%**



Inverter Efficiency Data

Minimum of 5 samples required

| Specified | | Sample #1 | | | Sample #2 | | | Sample #3 | | | Sample #4 | | | Sample #5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Output Power | Input Voltage | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency |
| (% of rated) | (Vdc) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) |
| 10% | Vmin | 0.1885 | 234.61 | 91.883 | 0.188 | 234.61 | 91.794 | 0.188 | 234.61 | 91.823 | 0.189 | 234.61 | 91.961 | 0.188 | 234.61 | 91.839 |
| 20% | Vmin | 0.4265 | 234.62 | 95.254 | 0.426 | 234.6 | 95.226 | 0.427 | 234.62 | 95.244 | 0.427 | 234.63 | 95.277 | 0.427 | 234.61 | 95.306 |
| 30% | Vmin | 0.6332 | 234.68 | 96.141 | 0.633 | 234.67 | 96.112 | 0.633 | 234.66 | 96.079 | 0.633 | 234.67 | 96.094 | 0.633 | 234.67 | 96.032 |
| 50% | Vmin | 1.0799 | 234.82 | 96.692 | 1.08 | 234.82 | 96.743 | 1.08 | 234.79 | 96.764 | 1.08 | 234.79 | 96.73 | 1.081 | 234.8 | 96.799 |
| 75% | Vmin | 1.4688 | 234.87 | 96.772 | 1.469 | 234.84 | 96.821 | 1.47 | 234.84 | 96.837 | 1.469 | 234.86 | 96.799 | 1.468 | 234.85 | 96.751 |
| 100% | Vmin | 1.9452 | 234.87 | 96.67 | 1.944 | 234.87 | 96.616 | 1.945 | 234.89 | 96.644 | 1.945 | 234.88 | 96.643 | 1.945 | 234.85 | 96.677 |
| 10% | Vnom | 0.1816 | 374.96 | 91.225 | 0.182 | 374.97 | 91.194 | 0.182 | 374.94 | 91.196 | 0.181 | 374.97 | 91.135 | 0.182 | 374.96 | 91.195 |
| 20% | Vnom | 0.4263 | 374.92 | 95.145 | 0.426 | 374.95 | 95.178 | 0.427 | 374.97 | 95.208 | 0.426 | 374.95 | 95.165 | 0.427 | 374.98 | 95.215 |
| 30% | Vnom | 0.6363 | 374.99 | 96.113 | 0.637 | 375.01 | 96.136 | 0.637 | 375.01 | 96.144 | 0.636 | 374.99 | 96.107 | 0.637 | 375 | 96.214 |
| 50% | Vnom | 1.0959 | 375.02 | 96.927 | 1.096 | 375.03 | 96.952 | 1.096 | 375.01 | 96.908 | 1.096 | 375.02 | 96.941 | 1.096 | 375.03 | 96.907 |
| 75% | Vnom | 1.5176 | 375.06 | 97.107 | 1.523 | 375.05 | 97.098 | 1.521 | 375.06 | 97.125 | 1.527 | 375.04 | 97.104 | 1.523 | 375.04 | 97.162 |
| 100% | Vnom | 1.9342 | 375.1 | 97.056 | 1.933 | 375.1 | 97.099 | 1.942 | 375.09 | 97.061 | 1.942 | 375.08 | 97.128 | 1.943 | 375.08 | 97.129 |
| 10% | Vmax | 0.1743 | 489.98 | 91.139 | 0.175 | 490 | 91.037 | 0.175 | 489.94 | 91.333 | 0.174 | 489.96 | 90.858 | 0.174 | 489.95 | 90.858 |
| 20% | Vmax | 0.4136 | 490.01 | 94.546 | 0.413 | 490.02 | 94.577 | 0.413 | 489.99 | 94.52 | 0.413 | 490.02 | 94.526 | 0.413 | 490.02 | 94.547 |
| 30% | Vmax | 0.6193 | 490 | 95.587 | 0.62 | 490.05 | 95.605 | 0.62 | 490.02 | 95.623 | 0.62 | 490.02 | 95.628 | 0.62 | 490.01 | 95.631 |
| 50% | Vmax | 1.0536 | 490.06 | 96.602 | 1.054 | 490.01 | 96.612 | 1.053 | 490.04 | 96.582 | 1.053 | 490.02 | 96.555 | 1.054 | 489.99 | 96.637 |
| 75% | Vmax | 1.5583 | 490 | 96.993 | 1.558 | 490 | 96.973 | 1.557 | 490 | 96.95 | 1.558 | 490.01 | 96.969 | 1.557 | 490 | 96.946 |
| 100% | Vmax | 1.9647 | 490.04 | 97.07 | 1.964 | 490.04 | 97.041 | 1.964 | 490.01 | 97.056 | 1.964 | 490 | 97.052 | 1.965 | 490 | 97.059 |

| Specified | | Sample #6 | | | Sample #7 | | | Sample #8 | | | Sample #9 | | | Sample #10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Output Power | Input Voltage | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency | Output Power | Input Voltage | Efficiency |
| (% of rated) | (Vdc) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) | (kW) | (Vdc) | (%) |
| 10% | Vmin | | | | | | | | | | | | | | | |
| 20% | Vmin | | | | | | | | | | | | | | | |
| 30% | Vmin | | | | | | | | | | | | | | | |
| 50% | Vmin | | | | | | | | | | | | | | | |
| 75% | Vmin | | | | | | | | | | | | | | | |
| 100% | Vmin | | | | | | | | | | | | | | | |
| 10% | Vnom | | | | | | | | | | | | | | | |
| 20% | Vnom | | | | | | | | | | | | | | | |
| 30% | Vnom | | | | | | | | | | | | | | | |
| 50% | Vnom | | | | | | | | | | | | | | | |
| 75% | Vnom | | | | | | | | | | | | | | | |
| 100% | Vnom | | | | | | | | | | | | | | | |
| 10% | Vmax | | | | | | | | | | | | | | | |
| 20% | Vmax | | | | | | | | | | | | | | | |
| 30% | Vmax | | | | | | | | | | | | | | | |
| 50% | Vmax | | | | | | | | | | | | | | | |
| 75% | Vmax | | | | | | | | | | | | | | | |
| 100% | Vmax | | | | | | | | | | | | | | | |