Manufacturer: Ubiquiti Networks International Ltd.

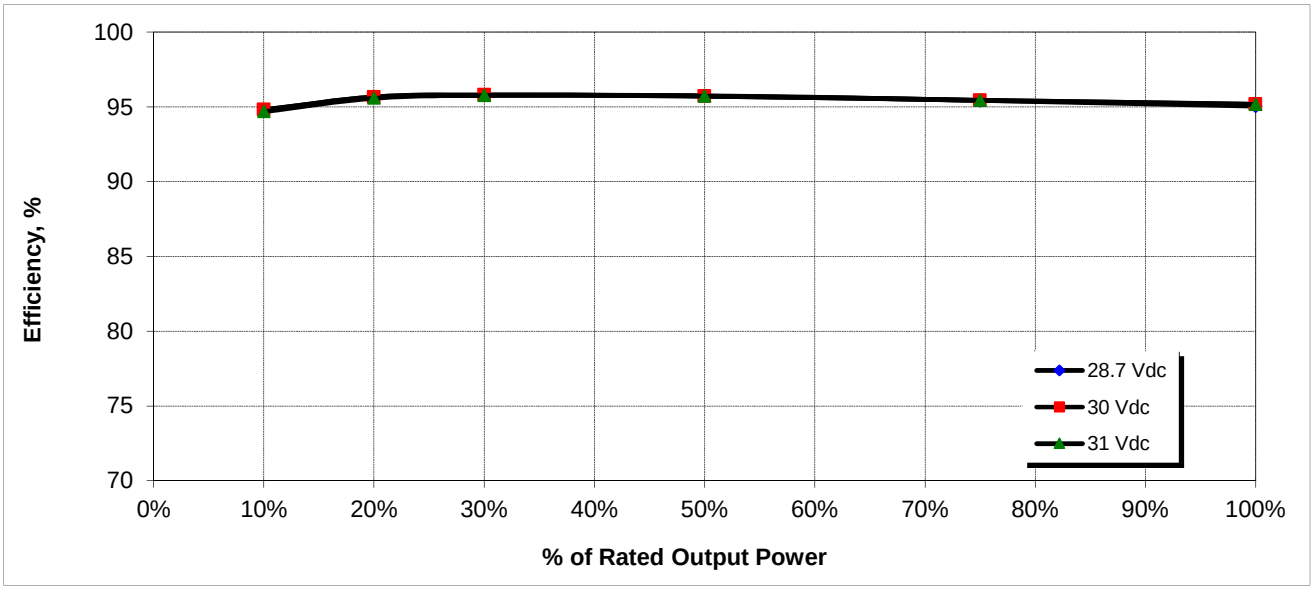
Model #: 250W

Rated Maximum Continuous Output Power: 0.2515 kW Night Tare Loss: 0.1170 W

Vmin: 28.7 Vdc Vnom: 30 Vdc Vmax: 31 Vdc

| Input Voltage (Vdc) | | Power Level (%; kW) 10% | 20% | 30% | 50% | 75% | 100% | Wtd |
|---|---|---|---|---|---|---|---|---|
| Vmin | 28.7 | 94.8 | 95.7 | 95.8 | 95.7 | 95.4 | 95.0 | 95.5 |
| Vnom | 30 | 94.8 | 95.7 | 95.8 | 95.7 | 95.4 | 95.2 | 95.5 |
| Vmax | 31 | 94.7 | 95.6 | 95.8 | 95.7 | 95.4 | 95.2 | 95.5 |

**CEC Efficiency = 95.5%**



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 | 0.0254 | 30.305 | 94.773 | 0.0254 | 30.307 | 94.768 | 0.0254 | 30.317 | 94.760 | 0.0254 | 30.327 | 94.792 | 0.0254 | 30.333 | 94.826 |
| 20% | Vmin | 0.0547 | 30.179 | 95.649 | 0.0551 | 29.743 | 95.673 | 0.0554 | 29.019 | 95.684 | 0.0554 | 29.061 | 95.643 | 0.0554 | 29.195 | 95.644 |
| 30% | Vmin | 0.0822 | 28.96 | 95.759 | 0.0822 | 28.519 | 95.773 | 0.0818 | 27.989 | 95.780 | 0.0815 | 27.613 | 95.759 | 0.0814 | 27.53 | 95.765 |
| 50% | Vmin | 0.1144 | 27.983 | 95.760 | 0.1143 | 27.703 | 95.763 | 0.1143 | 27.732 | 95.722 | 0.1144 | 27.784 | 95.741 | 0.1144 | 27.786 | 95.743 |
| 75% | Vmin | 0.1768 | 28.274 | 95.421 | 0.1771 | 28.505 | 95.427 | 0.1773 | 28.847 | 95.431 | 0.177 | 28.416 | 95.423 | 0.177 | 28.484 | 95.409 |
| 100% | Vmin | 0.2399 | 28.355 | 95.051 | 0.2399 | 28.358 | 95.048 | 0.2399 | 28.365 | 95.049 | 0.2398 | 28.309 | 95.036 | 0.24 | 28.538 | 95.057 |
| 10% | Vnom | 0.0253 | 31.315 | 94.827 | 0.0253 | 31.323 | 94.825 | 0.0251 | 31.737 | 94.809 | 0.0251 | 31.772 | 94.765 | 0.0254 | 31.181 | 94.803 |
| 20% | Vnom | 0.0547 | 28.302 | 95.663 | 0.0551 | 28.815 | 95.648 | 0.0551 | 28.801 | 95.655 | 0.0548 | 28.466 | 95.646 | 0.0544 | 27.895 | 95.670 |
| 30% | Vnom | 0.0823 | 30.034 | 95.786 | 0.0823 | 29.867 | 95.801 | 0.0822 | 29.574 | 95.801 | 0.0821 | 29.395 | 95.795 | 0.0819 | 29.067 | 95.808 |
| 50% | Vnom | 0.1135 | 29.712 | 95.722 | 0.1136 | 29.945 | 95.707 | 0.1136 | 29.921 | 95.697 | 0.1136 | 30.042 | 95.724 | 0.1136 | 29.869 | 95.716 |
| 75% | Vnom | 0.1775 | 30.348 | 95.447 | 0.1773 | 30.116 | 95.447 | 0.1772 | 29.949 | 95.442 | 0.1773 | 30.003 | 95.438 | 0.1775 | 30.283 | 95.441 |
| 100% | Vnom | 0.2396 | 29.983 | 95.180 | 0.2396 | 29.99 | 95.171 | 0.2394 | 29.781 | 95.169 | 0.2395 | 29.95 | 95.177 | 0.2395 | 29.872 | 95.175 |
| 10% | Vmax | 0.0251 | 32.773 | 94.679 | 0.0253 | 32.533 | 94.694 | 0.0253 | 32.584 | 94.695 | 0.0252 | 32.73 | 94.674 | 0.0249 | 33.13 | 94.632 |
| 20% | Vmax | 0.0542 | 32.847 | 95.532 | 0.0546 | 32.585 | 95.557 | 0.0551 | 31.951 | 95.595 | 0.0553 | 31.683 | 95.588 | 0.0553 | 31.534 | 95.601 |
| 30% | Vmax | 0.082 | 31.521 | 95.715 | 0.082 | 30.154 | 95.779 | 0.0819 | 29.997 | 95.783 | 0.0818 | 29.895 | 95.776 | 0.082 | 30.063 | 95.764 |
| 50% | Vmax | 0.1136 | 30.897 | 95.722 | 0.1143 | 31.603 | 95.703 | 0.1143 | 31.54 | 95.720 | 0.1142 | 31.443 | 95.716 | 0.1139 | 31.093 | 95.724 |
| 75% | Vmax | 0.1776 | 31.2 | 95.437 | 0.1775 | 31.038 | 95.444 | 0.1776 | 31.115 | 95.434 | 0.1776 | 31.131 | 95.439 | 0.1773 | 30.911 | 95.456 |
| 100% | Vmax | 0.2406 | 31.275 | 95.150 | 0.2408 | 31.471 | 95.145 | 0.2406 | 31.267 | 95.151 | 0.2408 | 31.396 | 95.154 | 0.2405 | 31.221 | 95.153 |

| 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) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (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 | | | | | | | | | | | | | | | |