Manufacturer: Power-One, Inc.

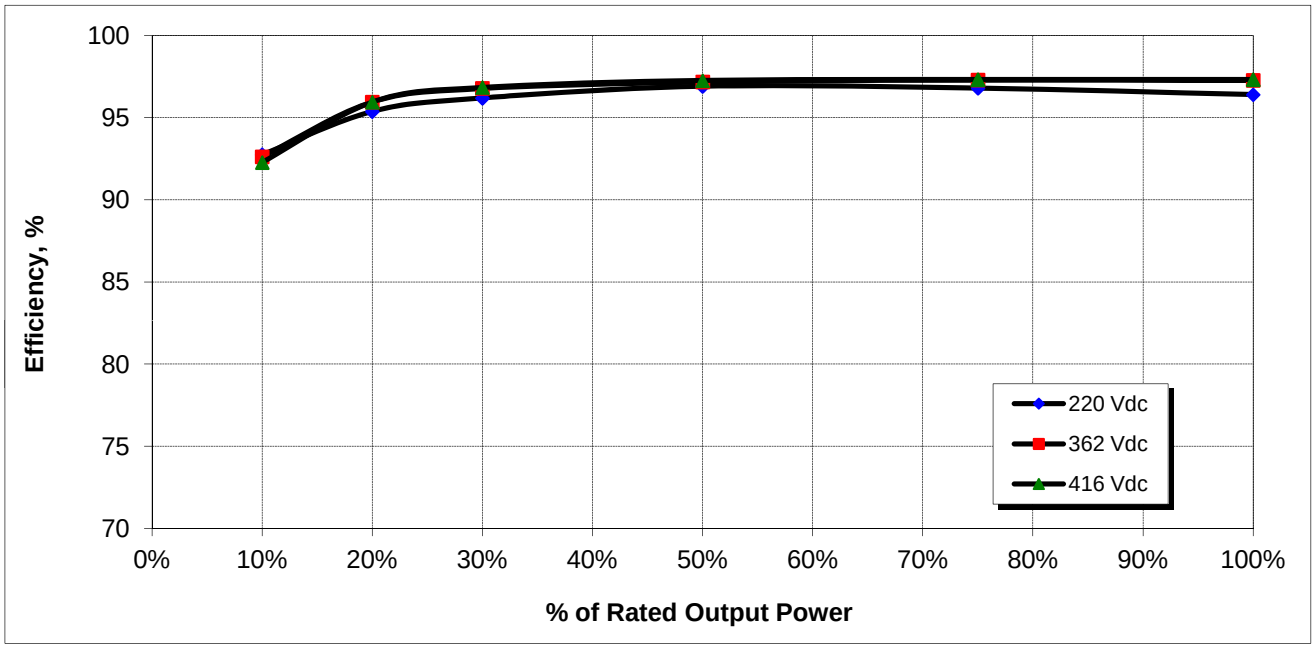
Model #: PVI-10.0-I-OUTD-x-US-480-y-z

Rated Maximum Continuous Output Power @25°C: 10.0 kW  Night Tare Loss: 0.4 W
Rated Maximum Continuous Output Power @40°C: 10.0 kW  Night Tare Loss: 0.4 W

Vmin: 220 Vdc  Vnom: 362 Vdc  Vmax: 416 Vdc

| | | Power Level (%; kW) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 50% | 75% | 100% | |
| Input Voltage (Vdc) | | 1.00 | 2.00 | 3.00 | 5.00 | 7.50 | 10.00 | Wtd |
| Vmin | 220 | 92.7 | 95.4 | 96.2 | 96.9 | 96.8 | 96.4 | 96.5 |
| Vnom | 362 | 92.6 | 96.0 | 96.8 | 97.2 | 97.3 | 97.3 | 97.0 |
| Vmax | 416 | 92.3 | 95.9 | 96.8 | 97.3 | 97.3 | 97.3 | 97.0 |

**CEC Efficiency = 97.0%**



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) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) | (W) | (Vdc) | (%) |
| 10% | Vmin | 993.6 | 221.3 | 92.74 | 993.9 | 221.3 | 92.75 | 994.0 | 221.3 | 92.74 | 994.1 | 221.3 | 92.75 | 993.9 | 221.3 | 92.74 |
| 20% | Vmin | 1806.0 | 221.4 | 95.38 | 1805.9 | 221.4 | 95.38 | 1806.3 | 221.4 | 95.37 | 1806.6 | 221.4 | 95.39 | 1806.7 | 221.4 | 95.38 |
| 30% | Vmin | 3242.9 | 221.0 | 96.19 | 3243.1 | 221.0 | 96.19 | 3242.8 | 221.0 | 96.19 | 3242.5 | 221.0 | 96.19 | 3242.2 | 221.0 | 96.19 |
| 50% | Vmin | 5491.5 | 222.0 | 96.91 | 5491.4 | 222.0 | 96.91 | 5491.9 | 222.0 | 96.91 | 5491.5 | 222.0 | 96.91 | 5491.7 | 222.0 | 96.91 |
| 75% | Vmin | 7006.5 | 221.9 | 96.80 | 7006.6 | 221.9 | 96.80 | 7006.4 | 221.9 | 96.80 | 7006.0 | 221.9 | 96.80 | 7006.1 | 221.9 | 96.80 |
| 100% | Vmin | 9505.8 | 221.9 | 96.41 | 9504.9 | 221.9 | 96.40 | 9506.2 | 221.9 | 96.40 | 9505.9 | 221.9 | 96.40 | 9505.3 | 221.9 | 96.40 |
| 10% | Vnom | 994.8 | 366.0 | 92.60 | 994.6 | 366.0 | 92.64 | 994.2 | 366.0 | 92.63 | 994.2 | 366.0 | 92.61 | 995.1 | 366.0 | 92.63 |
| 20% | Vnom | 2192.0 | 365.9 | 95.94 | 2192.7 | 365.9 | 95.96 | 2193.4 | 365.9 | 95.96 | 2193.0 | 365.9 | 95.95 | 2192.9 | 365.9 | 95.96 |
| 30% | Vnom | 3247.6 | 366.4 | 96.78 | 3248.2 | 366.4 | 96.78 | 3247.2 | 366.4 | 96.78 | 3247.1 | 366.4 | 96.78 | 3247.0 | 366.4 | 96.78 |
| 50% | Vnom | 5408.1 | 365.5 | 97.17 | 5408.0 | 365.5 | 97.18 | 5407.7 | 365.5 | 97.18 | 5407.8 | 365.5 | 97.17 | 5408.2 | 365.5 | 97.18 |
| 75% | Vnom | 7992.0 | 365.9 | 97.30 | 7992.2 | 365.9 | 97.30 | 7991.8 | 365.9 | 97.30 | 7991.9 | 365.9 | 97.30 | 7991.6 | 365.9 | 97.30 |
| 100% | Vnom | 9513.0 | 366.1 | 97.27 | 9512.3 | 366.1 | 97.27 | 9512.2 | 366.1 | 97.27 | 9512.7 | 366.1 | 97.27 | 9511.9 | 366.1 | 97.27 |
| 10% | Vmax | 992.0 | 415.8 | 92.29 | 991.4 | 415.8 | 92.26 | 991.5 | 415.8 | 92.27 | 992.2 | 415.8 | 92.27 | 991.4 | 415.8 | 92.29 |
| 20% | Vmax | 2192.2 | 415.8 | 95.96 | 2192.3 | 415.8 | 95.93 | 2191.7 | 415.8 | 95.94 | 2193.1 | 415.8 | 95.96 | 2191.6 | 415.8 | 95.95 |
| 30% | Vmax | 3243.1 | 415.7 | 96.84 | 3243.7 | 415.7 | 96.85 | 3243.3 | 415.7 | 96.84 | 3242.8 | 415.7 | 96.84 | 3243.2 | 415.7 | 96.84 |
| 50% | Vmax | 5409.5 | 416.2 | 97.26 | 5409.1 | 416.2 | 97.26 | 5409.3 | 416.2 | 97.26 | 5409.5 | 416.2 | 97.26 | 5409.1 | 416.2 | 97.26 |
| 75% | Vmax | 7993.4 | 415.6 | 97.32 | 7993.3 | 415.6 | 97.32 | 7993.5 | 415.6 | 97.32 | 7994.0 | 415.6 | 97.32 | 7993.7 | 415.6 | 97.32 |
| 100% | Vmax | 9511.5 | 414.9 | 97.33 | 9511.5 | 414.9 | 97.32 | 9511.8 | 414.9 | 97.32 | 9512.6 | 414.9 | 97.32 | 9513.3 | 414.9 | 97.33 |

| 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 | 994.3 | 221.3 | 92.75 | 994.8 | 221.3 | 92.76 | | | | | | | | | |
| 20% | Vmin | 1806.4 | 221.4 | 95.38 | 1806.4 | 221.4 | 95.37 | | | | | | | | | |
| 30% | Vmin | 3241.8 | 221.0 | 96.19 | 3241.9 | 221.0 | 96.20 | | | | | | | | | |
| 50% | Vmin | 5491.8 | 222.0 | 96.91 | 5491.8 | 222.0 | 96.91 | | | | | | | | | |
| 75% | Vmin | 7006.0 | 221.9 | 96.80 | 7005.7 | 221.9 | 96.80 | | | | | | | | | |
| 100% | Vmin | 9505.2 | 221.9 | 96.40 | 9505.5 | 221.9 | 96.39 | | | | | | | | | |
| 10% | Vnom | 994.6 | 366.0 | 92.63 | 994.8 | 366.0 | 92.63 | | | | | | | | | |
| 20% | Vnom | 2192.9 | 365.9 | 95.96 | 2193.0 | 365.9 | 95.94 | | | | | | | | | |
| 30% | Vnom | 3246.6 | 366.4 | 96.79 | 3246.7 | 366.4 | 96.80 | | | | | | | | | |
| 50% | Vnom | 5408.7 | 365.5 | 97.17 | 5408.9 | 365.5 | 97.17 | | | | | | | | | |
| 75% | Vnom | 7992.2 | 365.9 | 97.30 | 7991.5 | 365.9 | 97.30 | | | | | | | | | |
| 100% | Vnom | 9512.2 | 366.1 | 97.27 | 9511.6 | 366.1 | 97.27 | | | | | | | | | |
| 10% | Vmax | 992.3 | 415.8 | 92.29 | 992.0 | 415.8 | 92.27 | | | | | | | | | |
| 20% | Vmax | 2192.7 | 415.8 | 95.95 | 2192.6 | 415.8 | 95.95 | | | | | | | | | |
| 30% | Vmax | 3242.2 | 415.7 | 96.85 | 3242.8 | 415.7 | 96.83 | | | | | | | | | |
| 50% | Vmax | 5409.7 | 416.2 | 97.26 | 5410.0 | 416.2 | 97.26 | | | | | | | | | |
| 75% | Vmax | 7993.1 | 415.6 | 97.32 | 7993.2 | 415.7 | 97.32 | | | | | | | | | |
| 100% | Vmax | 9513.4 | 414.9 | 97.33 | 9512.6 | 414.9 | 97.33 | | | | | | | | | |