

| Models | | | | |
|---|---|--------------------------|---|--------------------------|
| Negative Ground Inverters | SiE3840 | | SiE5300 | |
| Output Data (AC) | | | | |
| Output* | 240 V | 208 V | 240 V | 208 V |
| Grid Voltage, Operating Range** | 211 ~ 264V _{AC} | 183 ~ 228V _{AC} | 211 ~ 264V _{AC} | 183 ~ 228V _{AC} |
| Grid Frequency, Nominal | 60 Hz | | | |
| Grid Frequency, Operating Range** | 59.3 ~ 60.5 Hz | | | |
| Maximum Output Power | 3840 W | 3300 W | 5300W | 4600 W |
| Maximum Output Current | 16 A | | 22.1 A | |
| Output Over-Current Protection | 20 A | | 30 A | |
| Maximum Output Fault Current | 20 A | | 25 A | |
| Startup Current | < 2 A | | | |
| Maximum Grid Backfeed Current | 0 A | | | |
| Waveform | True Sine | | | |
| Power Factor | > 0.99 | | | |
| Total Harmonic Distortion | < 3% | | | |
| DC Component | < 0.5% | | | |
| Phase | Split Phase or Single Phase 240 | | | |
| Input Data (DC) | | | | |
| Input Voltage Range | 200 ~ 550 V _{DC} | | | |
| Maximum Input Voltage | 600 V _{DC} | | | |
| PV Start Voltage* | 235 V _{DC} | | | |
| Maximum Input Current | 20 A | | 25 A | |
| Maximum Input Short Circuit Current | 24 A | | 30 A | |
| Number of Fused String Inputs | 4 | | | |
| Efficiency | | | | |
| Maximum Efficiency | 96.7% | 96.5% | 96.4% | 96.2% |
| CEC Efficiency | 96.0% | 95.5% | 96.0% | 95.5% |
| Night-time Tare Loss | 0.5W | | | |
| Environment | | | | |
| Operating Temperature Range | -13 ~ +131°F (-25 ~ +55°C) | | | |
| Storage Temperature Range | -13 ~ +131°F (-25 ~ +55°C) | | | |
| Maximum Full Power Operating Temperature without Derating | 131°F (55°C) | | 127.4°F (53°C) | |
| Relative Humidity | Maximum 95% | | | |
| Mechanical | | | | |
| Outdoor Enclosure | NEMA 3R, Rainproof | | | |
| Cooling | Controlled Forced Ventilation | | | |
| Input and Output Terminals | Accepts wire size of 12 to 6 AWG (4 to 16 mm ²) | | | |
| Inverter Weight | 50.7 lb (23 kg) | | 61.7 lb (28 kg) | |
| Shipping Weight | 59.5 lb (27 kg) | | 70.5 lb (32 kg) | |
| Dimensions (HxWxD) | 28.8 x 17.9 x 6.9" (732 x 454 x 175 mm) | | 28.8 x 17.9 x 8.3" (732 x 454 x 210 mm) | |
| Shipping Dimensions (HxWxD) | 33.1 x 21.3 x 10.8" (840 x 540 x 275 mm) | | 33.1 x 21.6 x 12" (840 x 548 x 305 mm) | |
| Features | | | | |
| Communications | RS232 and RS485 | | | |
| Display | LED/LCD | | | |
| Certifications | UL1741, FCC part 15B, IEEE 1547, IEEE C62.41.2, IEEE C37.90.1 | | | |
| Warranty | 10 Years | | | |

*Output settings (240 V or 208 V) are unique and made at the factory prior to shipment. **Factory Settings can be adjusted with the approval of the utility. This unit is provided with adjustable trip limits and may be aggregated above 30kW on a single Point of Common Coupling.



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