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|---|---|
| Anti islanding: | Internal; in accordance with UL 1741-2005, IEEE 1547-2003 and NEC |
| Over temperature protection: | Output power derating / Active cooling |
| AFCI: | Yes |
| Rapid shutdown compliant: | Yes (according to NEC 2014) |
| Ground fault protection with isolation monitor interrupter: | Yes |
| DC disconnect: | Yes |

5. Interfaces

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|--|--|
| USB (A socket): | Datalogging and inverter update possible via USB |
| 2x RS422 (RJ45 socket): | Solar Net |
| Wi-Fi / Ethernet / Serial / Datalogger and webserver (optional): | Wireless standard 802.11 b/g/n / Fronius Solar.web, SunSpec Modbus TCP, JSON / SunSpec Modbus RTU - Available with the Fronius Datamanager 2.0 Card only |
| 6 inputs or 4 digital inputs/outputs (optional): | Load management; signaling, multipurpose I/O - Available with the Fronius Datamanager 2.0 Card only |

F. Technical data of Solar Photo Voltaic Crystalline Silicon Terrestrial PV Modules (33 pieces)

1. Electrical Data (Standard Test Conditions)

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|--|---|
| Nominal Max. Power (P _{max}): | 550 W |
| Opt. Operating Voltage (V _{mp}): | 41.7 V |
| Opt. Operating Current (I _{mp}): | 13.20 A |
| Open Circuit Voltage (V _{oc}): | 49.6 V |
| Short Circuit Current (I _{sc}): | 14.00 A |
| Module Efficiency: | 21.5% |
| Operating Temperature: | -40°C ~ +85° |
| Max. System Voltage: | 1500V (IEC/UL) or 1000V (IEC/UL) |
| Module Fire Performane: | TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 6173 |
| Max. Series Fuse Rating: | 25 A |
| Application Classification: | Class A |
| Power Tolerance: | 0 ~ + 10 W |

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.