

Fronius Primo Inverters

3.8 to 8.2 kW

Specification Sheet

Product Number

FRONIUS PRIMO

The transformerless Fronius Primo is the ideal compact single-phase inverter for residential and small-scale commercial applications with power categories from 3.8 to 8.2 kW. In accordance with ESA rules for residential applications, the Fronius Primo can operate efficiently at a maximum input voltage of 600 V. And for increased efficiency and additional cost savings for commercial applications, the Fronius Primo can operate at the maximum input voltage of 1,000 V. Industry-leading features now come standard with the Fronius Primo, including: dual maximum power point tracking, arc fault protection, integrated wireless monitoring and SunSpec Modbus interfaces for seamless monitoring and datalogging via Specifications: Fronius' online and mobile platform, Fronius Solar.web.



**SnapINverter
mounting system**



Wireless monitoring



**Open Data
Connection**



Smart Grid Ready



**Arc Fault Circuit
Interruption**



Fronius Primo Invertors

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TECHNICAL DATA FRONIUS PRIMO

General Data	Fronius Primo 3.8-8.2
Dimensions (wxhxd)	16.9x24.7x8.1 in. 42.9x62.7x20.6 cm
Weight	47.4lbs / 21.5 kg
Degree of protection	NEMA 4X
Night time consumption	<1 W
Invertor topology	Transformerless
Cooling	Controlled forced ventilation, variable speed fan
Installation	Indoor and outdoor installation
Ambient operating temperature range	-40 to 131 F / -40 to 55 C
Permitted humidity	0 - 100%
DC connection terminals	2x DC+1, 2x DC+2 and 4x DC- screw terminals for solid: copper and aluminium stranded / fine stranded: copper and aluminium
AC connection terminals	Screw terminals 12 - 6 AWG
Revenue Grade Metering	Optional (ANSI C12.1 accuracy)
Certificates and compliance with standards	UL 1741-2015, UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547.1-2003, ANSI/IEEE C62.41, FCC Part 15 A& B, NEC 2014 Article 690, C22.2 No. 107.1-01 (September 2001), UL1699B Issue 2-2013, CSA TIL M-07 Issue 1-2013

Protective Devices	Standard with all Primo Models	
AFCI	Yes	
Ground fault protection with isolation monitor interrupter	Yes	
DC disconnect	Yes	
DC reverse polarity protection	Yes	
Interfaces	Availability	Available with all Fronius Primo Models
USB (A socket)	Standard	Datalogging and invertor update via USB
2x RS422 (RJ45 socket)	Standard	Fronius Solar Net, interface protocol
Wifi*/Ethernet/Serial/Datalogger and webserver	Optional	Wireless standard 802.11 b/g/n/ Fronius Solar.web, Sun Spec Modbus TCP, JSON / SunSpec Modbus RTU
6 inputs or 4 digital inputs/outputs	Optional	External relay controls