

# Technical Data

## SINVERT 350 M

**SIEMENS**

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The SINVERT 350 M is the 3-phase inverter for large grid connected PV power plants, offering a peak efficiency of 96.5 %.

Functions like power factor control and other grid relevant parameters can be set according to requirements of the grid operator. Easy integration in plant wide control and monitoring systems is possible by standard communication interfaces.



Output side (AC)		
Rated grid voltage $U_{ac,r}$	V	3AC 400
Grid voltage $U_{ac}^{1)}$	V	360 ... 440
Rated frequency $f_r$	Hz	50
Grid frequency $f^{1)}$	Hz	49 ... 51
Rated output power $P_{ac,r}$	kW	358
Maximum output current $I_{ac,max}$	A	516
Power factor (at rated power)		> 0.99
THD I (at rated power)	%	< 2.5
Grid configuration		TN-C
Surge protection (internal)		Type 2
Input side (DC)		
MPP voltage range $U_{mpp,min} - U_{mpp,max}$	V	450 ... 750
Start-up input voltage $U_{dc,start}$ (alterable)	V	600
Maximum input voltage $U_{dc,max}^{2)}$	V	810
Maximum voltage for operation $U_{dc,op max}^{2)}$	V	810
Minimum voltage for operation $U_{dc,op min}$	V	450
Rated input power $P_{dc,r}$	kW	372
Maximum input current $I_{dc,max}$	A	828
Number of DC inputs		4
Maximum current per DC input	A	250
Surge protection (internal)		Type 2
Efficiency		
Maximum efficiency	%	96.5
European weighted efficiency (Euro eta)	%	95.5
CEC weighted efficiency	%	96.2
Consumption at night-time	W	35
Minimum DC power for operation	W	1800

<sup>1)</sup> These limits can be set to different values according to requirements of the local grid operator.

<sup>2)</sup> Optional: 900 V DC.

### Dimensions and weight

Width	mm	2718
Height	mm	2002
Depth	mm	834
Weight	kg	2025

### General technical specifications

Galvanic isolation		by LF transformer
Noise level	dB(A)	< 78
Installation		suitable for indoor installation only
Mounting method		floor mounting
Cooling method		forced air ventilation air intake at lower front and through bottom air discharge through the cabinet roof
Cooling air requirement	m <sup>3</sup> /h	5400
Colour		RAL 7035

### Climatic conditions

Ambient temperature for operation	°C	0 ... 50
Ambient temperature for storage and transport	°C	-25 ... 70
Maximum temperature for rated power	°C	40
Relative humidity	%	5 ... 85
Maximum altitude for operation (without derating)	m	1000
Other climatic conditions		3K3 (EN 60721-3-3)

### Applicable standards and conformity

Safety		IEC 60439-1
EMC immunity		IEC 61000-6-2
EMC emission		IEC 61000-6-4
Harmonics		IEC 61000-3-4
Degree of protection		IP20 (IEC 60529)
Protection class		I

### Connectors

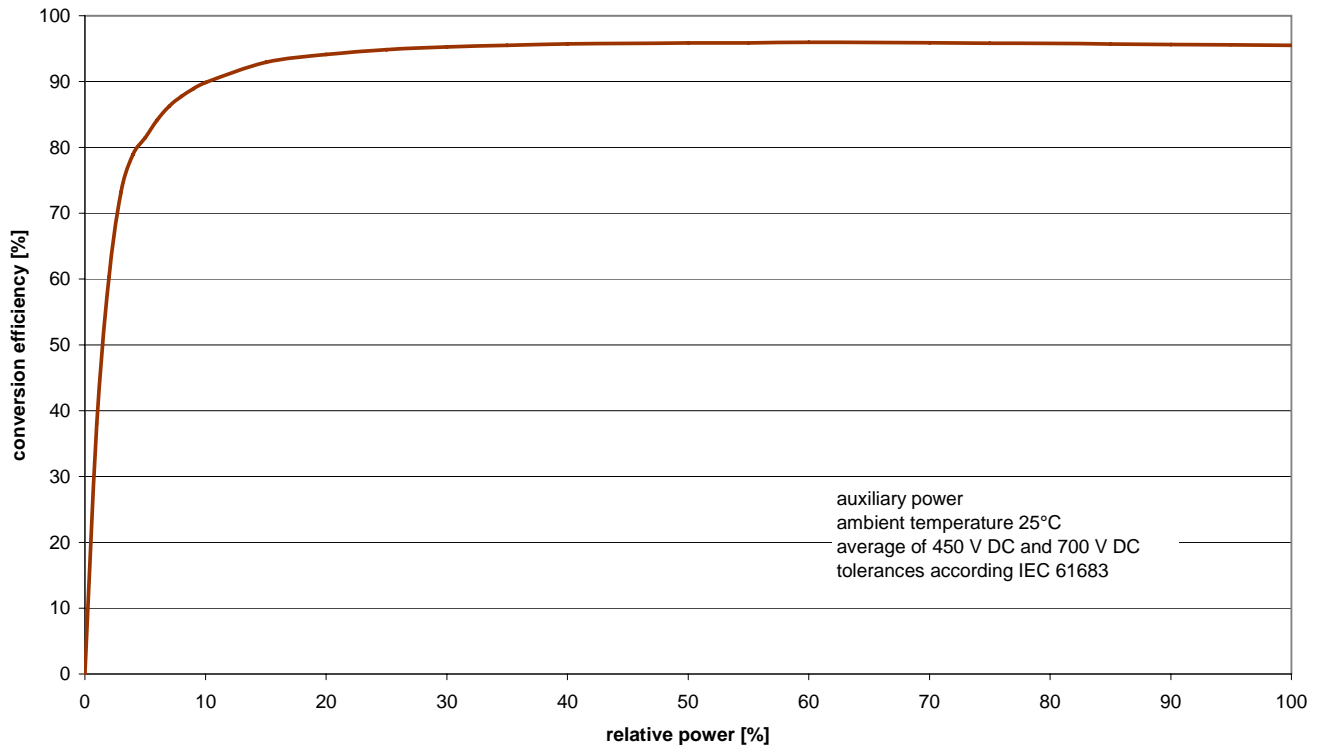
Input DC		cable lug M10
Output AC		cable lug M12
Master-Slave DC link		cable lug M12

**Operator panel**

Display type status LEDs;  
seven-segment display, double-digit

Operation membrane keypad, key switch

**Efficiency curve**



**Ordering information**

Order number (MLFB) 6AG3100-1PD00-0AB0