



Characteristics of a grid inverter

Manufacturer, model : **Schneider Electric, Conext CL 25000NA**

Availability : Prod. from 2014

Data source : Manufacturer 2014

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Input characteristics (PV array side)

Operating mode		MPPT		
Minimum MPP Voltage	Vmin	500 V	Nominal PV Power	Pnom DC 27 kW
Maximum MPP Voltage	Vmax	800 V	Maximum PV Power	Pmax DC 32 kW
Absolute max. PV Voltage	Vmax array	1000 V	Maximum PV Current	Imax DC N/A A
Min. Voltage for PNom	Vmin PNom	250 V	Power Threshold	Pthresh. 125 W
"String" inverter with input protections			Number of string inputs	8
Multi MPPT capability			Number of MPPT inputs	2
Behaviour at Vmin/Vmax	Limitation		Behaviour at Pnom	Limitation

Output characteristics (AC grid side)

Grid Voltage	Unom 480 V	Nominal AC Power	Pnom AC 25 kWac
Grid frequency	Freq 50/60 Hz Triphased	Maximum AC Power	Pmax AC 25 kWac
		Nominal AC current	Inom AC 30 A
		Maximum AC current	Imax AC 33 A
Efficiency defined for 3 voltages	500 V	660 V	800 V
Maximum efficiency	97.0 %	98.4 %	97.0 %
European average efficiency	95.0 %	98.0 %	95.0 %

Remarks and Technical features

Array isolation monitoring, Internal DC switch,
Output Voltage disconnect adjustment, ENS protection,

Technology: HF, IGBT
Protection: NEMA 4/3R
Control: LCD keypad, scroll wheel
Size & weight includes wiring box

Sizes: Width 678 mm
Height 1075 mm
Depth 264 mm
Weight 70.00 kg

Efficiency profile vs Input power

