



PVSYST V6.26

Schneider Electric (Canada)

24/09/14 11h02

3700 Gilmoreway - V5G 4M1 - Burnaby - Canada

### Characteristics of a grid inverter

Manufacturer, model : **Schneider Electric, Conext CL 18000NA**  
 Availability : Prod. from 2014  
 Data source : Manufacturer 2014  
 File : Schneider\_Elec\_Conext\_CL18000NA-Sep2014.OND of 22/09/14 16h52

#### Input characteristics (PV array side)

Operating mode		<b>MPPT</b>		
<b>Minimum MPP Voltage</b>	<b>Vmin</b>	<b>300 V</b>	Nominal PV Power	Pnom DC 19 kW
<b>Maximum MPP Voltage</b>	<b>Vmax</b>	<b>800 V</b>	Maximum PV Power	Pmax DC 23 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. 100 W
<b>"String" inverter with input protections</b>			Number of string inputs	8
<b>Multi MPPT capability</b>			Number of MPPT inputs	2
Behaviour at Vmin/Vmax	Limitation		Behaviour at Pnom	Limitation

#### Output characteristics (AC grid side)

Grid Voltage	Unom 480 V	<b>Nominal AC Power</b>	<b>Pnom AC 18 kWac</b>
Grid frequency	Freq 50/60 Hz Triphased	Maximum AC Power	Pmax AC 18 kWac
		Nominal AC current	Inom AC 22 A
		Maximum AC current	Imax AC 25 A
<b>Efficiency defined for 3 voltages</b>	300 V	660 V	800 V
Maximum efficiency	97.0 %	98.0 %	97.0 %
European average efficiency	95.0 %	97.5 %	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  
 Weight and size includes Wiring box

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

Efficiency profile vs Input power

