



PVSYST V6.52

Schneider Electric (Canada)

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3700 Gilmoreway - V5G 4M1 - Burnaby - Canada

### Characteristics of a grid inverter

Manufacturer, model : **Schneider Electric, Conext CL-60A 63.4kW**

Availability : Prod. from 2017

Data source : Manufacturer 2017

#### Input characteristics (PV array side)

Operating mode	<b>MPPT</b>				
<b>Minimum MPP Voltage</b>	<b>Vmin</b>	<b>550 V</b>	Nominal PV Power	Pnom DC	65 kW
<b>Maximum MPP Voltage</b>	<b>Vmax</b>	<b>850 V</b>	Maximum PV Power	Pmax DC	90 kW
Absolute max. PV Voltage	Vmax array	1000 V	Maximum PV Current	Imax DC	N/A A
Min. Voltage for PNom	Vmin PNom	550 V	Power Threshold	Pthresh.	80 W
<b>"String" inverter with input protections</b>			Number of string inputs	8	
Behaviour at Vmin/Vmax			Limitation	Behaviour at Pnom	
				Limitation	

#### Output characteristics (AC grid side)

Grid Voltage	Unom	380 V	<b>Nominal AC Power</b>	<b>Pnom AC</b>	<b>63 kWac</b>
Grid frequency	Freq	60 Hz	Maximum AC Power	Pmax AC	63 kWac
	Triphased		Nominal AC current	Inom AC	96 A
			Maximum AC current	Imax AC	96 A
<b>Efficiency defined for 3 voltages</b>	550 V	710 V	850 V		
Maximum efficiency	98.7 %	98.5 %	98.0 %		
European average efficiency	98.5 %	98.0 %	97.8 %		

#### Remarks and Technical features

Array nominal power should be lower than then Max. PV Power,  
This is a contractual requirement of the manufacturer.

Array ISC current at STC should be lower than Max. input current,  
This is a contractual requirement of the manufacturer.

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

Technology: HF, IGBT  
Protection: IP 65  
Control: LCD keypad, scroll wheel  
Weight and size includes Wiring box

Sizes: Width 652 mm  
Height 958 mm  
Depth 250 mm  
Weight 66.00 kg

#### Efficiency profile vs Input power

