

Characteristics of a grid inverter

Manufacturer, model : **Schneider Electric, Conext CL-60E 66kW**

Availability : Prod. from 2017

Data source : Manufacturer 2017

Input characteristics (PV array side)

Operating mode	MPPT				
Minimum MPP Voltage	Vmin	570 V	Nominal PV Power	Pnom DC	68 kW
Maximum MPP Voltage	Vmax	850 V	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	570 V	Power Threshold	Pthresh.	80 W
"String" inverter with input protections			Number of string inputs	14	
Behaviour at Vmin/Vmax			Limitation	Behaviour at Pnom	
				Limitation	

Output characteristics (AC grid side)

Grid Voltage	Unom	400 V	Nominal AC Power	Pnom AC	66 kWac
Grid frequency	Freq	50/60 Hz	Maximum AC Power	Pmax AC	66 kWac
		Triphased	Nominal AC current	Inom AC	96 A
			Maximum AC current	Imax AC	96 A
Efficiency defined for 3 voltages		570 V	710 V	850 V	
Maximum efficiency		98.7 %	98.5 %	98.0 %	
European average efficiency		98.3 %	97.7 %	97.6 %	

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,
 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

