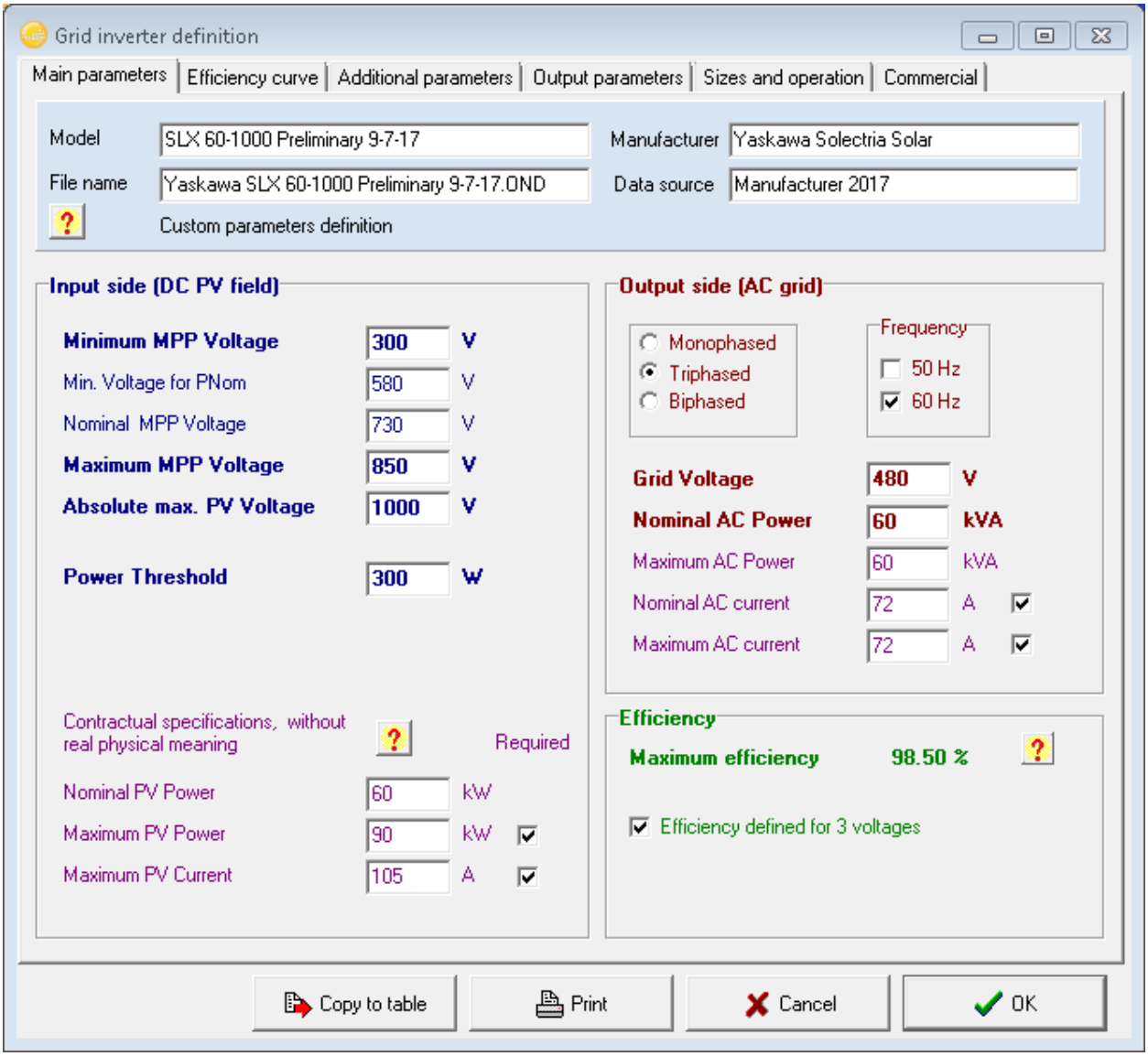
SLX 60-1000 Preliminary 9-7-17



Grid inverter definition

Main parameters | Efficiency curve | Additional parameters | Output parameters | Sizes and operation | Commercial

Description: **Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17**

Input voltage

- High voltage: 850 V
- Medium voltage: 730 V
- Low voltage: 540 V

Automatic profile

- Builds profile from given efficiencies
- Max. efficiency: 98.50 %
- EURO efficiency: 98.44 %
- CEC efficiency

Display mode

- Efficiency= f (P In)
- Efficiency= f (P Out)
- P Out = f (P In)

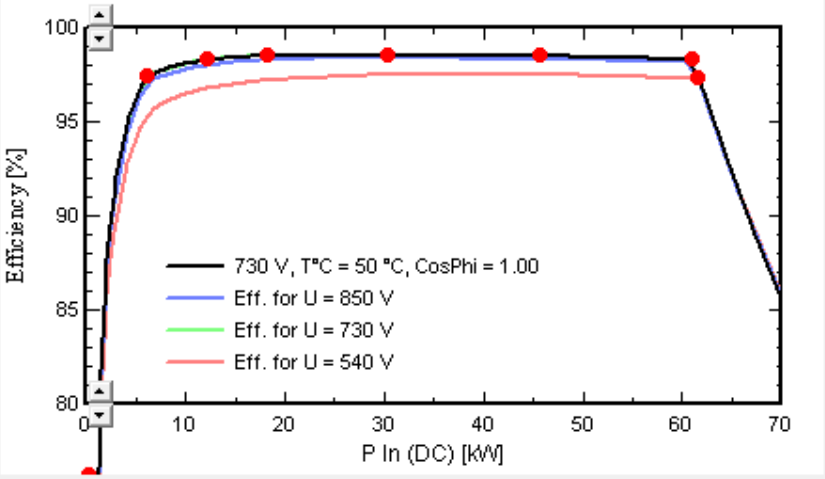
Show behaviour at: 50 °C

and CosPhi = 1.00

Show where POut limitation starts

Units

- Watts
- kW



Values

	P In (DC)	Efficiency [%]
Thresh.	0.300	0.00
	6.160	97.40
	12.210	98.30
	18.270	98.50
	30.450	98.50
	45.680	98.50
	61.040	98.30
	61.660	97.30

Insert | Delete | Validate

Copy to table | Print | Cancel | OK

Grid inverter definition

Main parameters | Efficiency curve | Additional parameters | Output parameters | Sizes and operation | Commercial

Description: **Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17**

Input voltage

- High voltage: 850 V
- Medium voltage: 730 V
- Low voltage: 540 V

Automatic profile

- Builds profile from given efficiencies
- Max. efficiency: 97.50 %
- EURO efficiency: 97.34 %
- CEC efficiency

Display mode

- Efficiency= f (P In)
- Efficiency= f (P Out)
- P Out = f (P In)

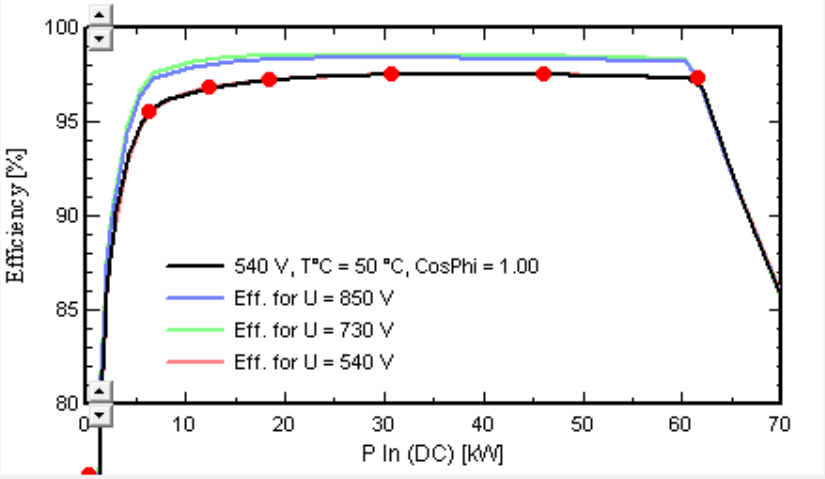
Show behaviour at: 50 °C

and CosPhi = 1.00

Show where POut limitation starts

Units

- Watts
- kW

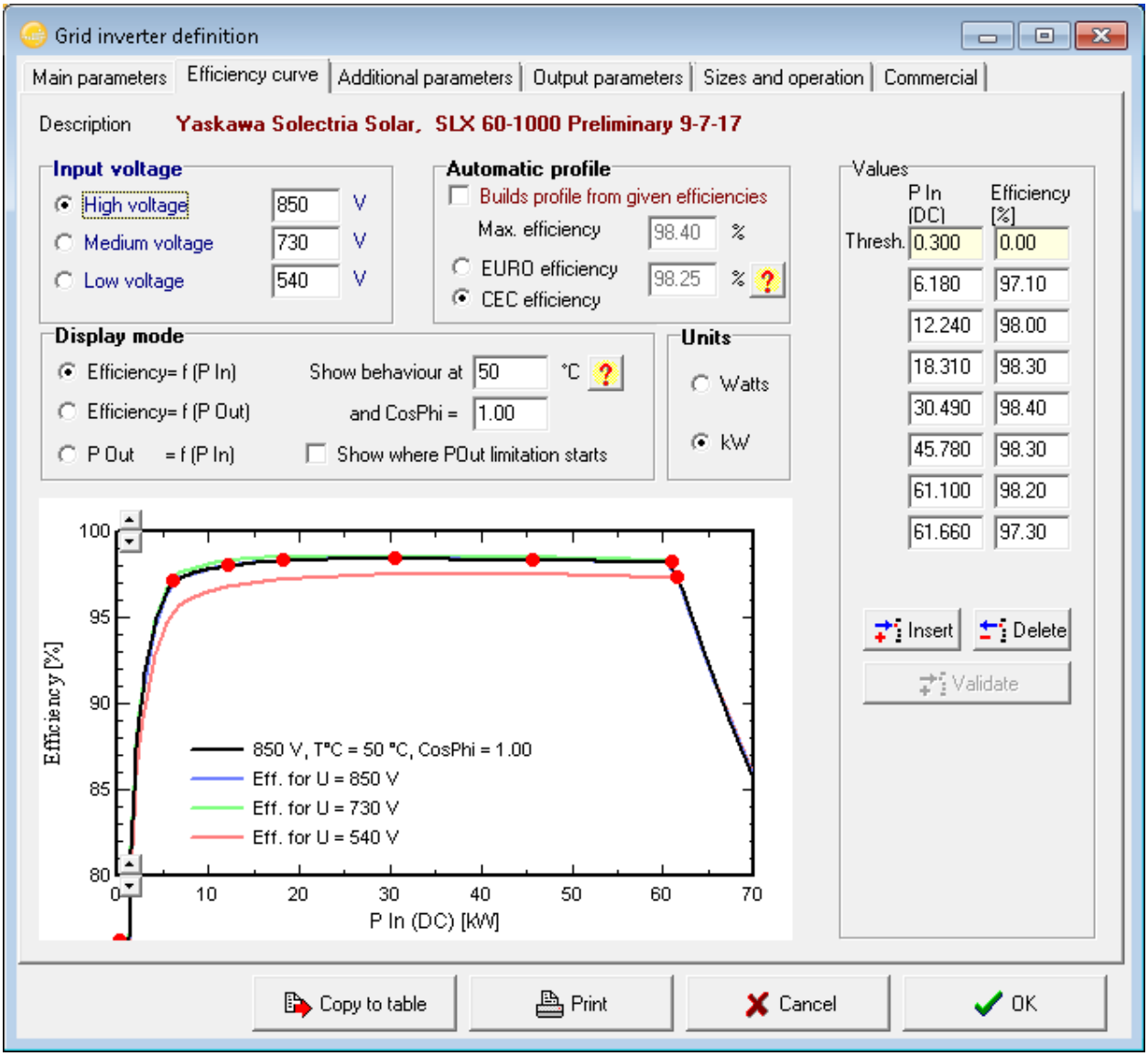


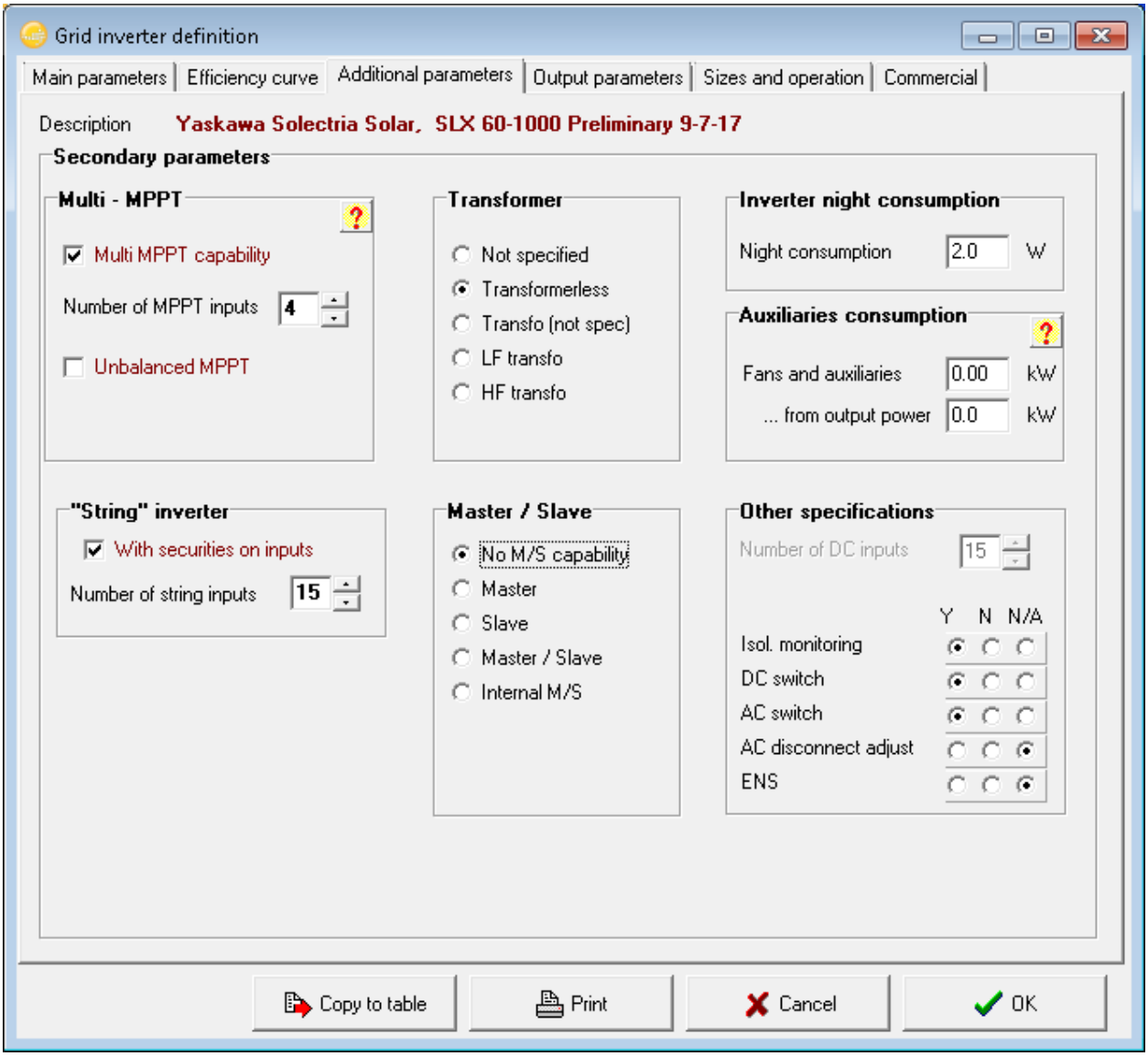
Values

	P In (DC)	Efficiency [%]
Thresh.	0.300	0.00
	6.280	95.49
	12.390	96.80
	18.520	97.20
	30.770	97.50
	46.150	97.50
	61.660	97.30

Insert | Delete | Validate

Copy to table | Print | Cancel | OK


Grid inverter definition
Main parameters
Efficiency curve
Additional parameters
Output parameters
Sizes and operation
Commercial
Description
Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17
Input voltage
High voltage
850
V
Medium voltage
730
V
Low voltage
540
V
Automatic profile
Builds profile from given efficiencies
Max. efficiency
98.40
%
EURO efficiency
98.25
%
CEC efficiency
Values
P In (DC)
Efficiency [%]
Thresh.
0.300
0.00
6.180
97.10
12.240
98.00
18.310
98.30
30.490
98.40
45.780
98.30
61.100
98.20
61.660
97.30
Insert
Delete
Validate
Display mode
Efficiency= f (P In)
Efficiency= f (P Out)
P Out = f (P In)
Show behaviour at
50
°C
and CosPhi =
1.00
Show where POut limitation starts
Units
Watts
kW
Efficiency [%]
P In (DC) [kW]
850 V, T°C = 50 °C, CosPhi = 1.00
Eff. for U = 850 V
Eff. for U = 730 V
Eff. for U = 540 V
Copy to table
Print
Cancel
OK


Grid inverter definition
Main parameters
Efficiency curve
Additional parameters
Output parameters
Sizes and operation
Commercial
Description
Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17
Secondary parameters
Multi - MPPT
Multi MPPT capability
Number of MPPT inputs
4
Unbalanced MPPT
Transformer
Not specified
Transformerless
Transfo (not spec)
LF transfo
HF transfo
Inverter night consumption
Night consumption
2.0
W
Auxiliaries consumption
Fans and auxiliaries
0.00
kW
... from output power
0.0
kW
"String" inverter
With securities on inputs
Number of string inputs
15
Master / Slave
No M/S capability
Master
Slave
Master / Slave
Internal M/S
Other specifications
Number of DC inputs
15
Y N N/A
Isol. monitoring
DC switch
AC switch
AC disconnect adjust
ENS
Copy to table
Print
Cancel
OK

Grid inverter definition

Main parameters | Efficiency curve | Additional parameters | Output parameters | Sizes and operation | Commercial

Description **Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17**

Power Factor

☑ Allows power factor specification

Tan (phi) min -0.620 i.e Cos(Phi) 0.850

Tan (phi) max 0.620 i.e Cos(Phi) 0.850

Nominal AC power defined as

◉ Apparent power [kVA]

○ Active power [kW]

Max AC Power f(Temperature)

Nom. ac Power **60.0 kVA** up to 50 °C

☐ Allows overpower

Max. ac Power **60.0 kVA** at 25 °C

☑ High temperature limitation

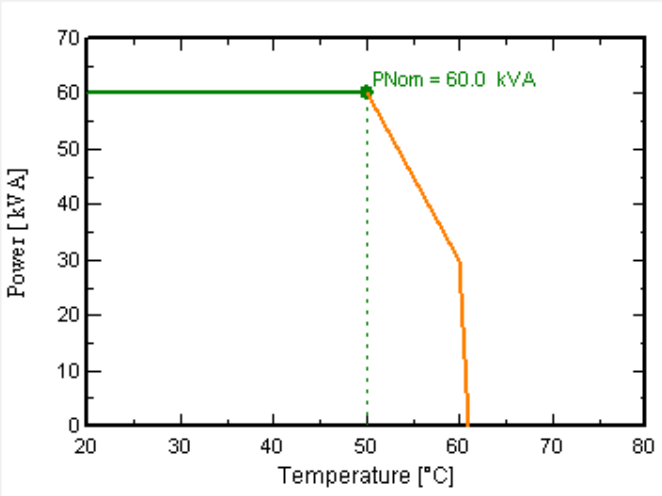
Power limit #1 30.0 kWac at 60 °C

Power limit abs. 0.0 kWac at 61 °C

Temperature evaluation for limits

In the simulation, by default the inverter temperature is the external ambient temperature (outdoor installation).

This strategy can be modified in the project area, "Miscelleanous Tools" (Inverter Temperature tab)



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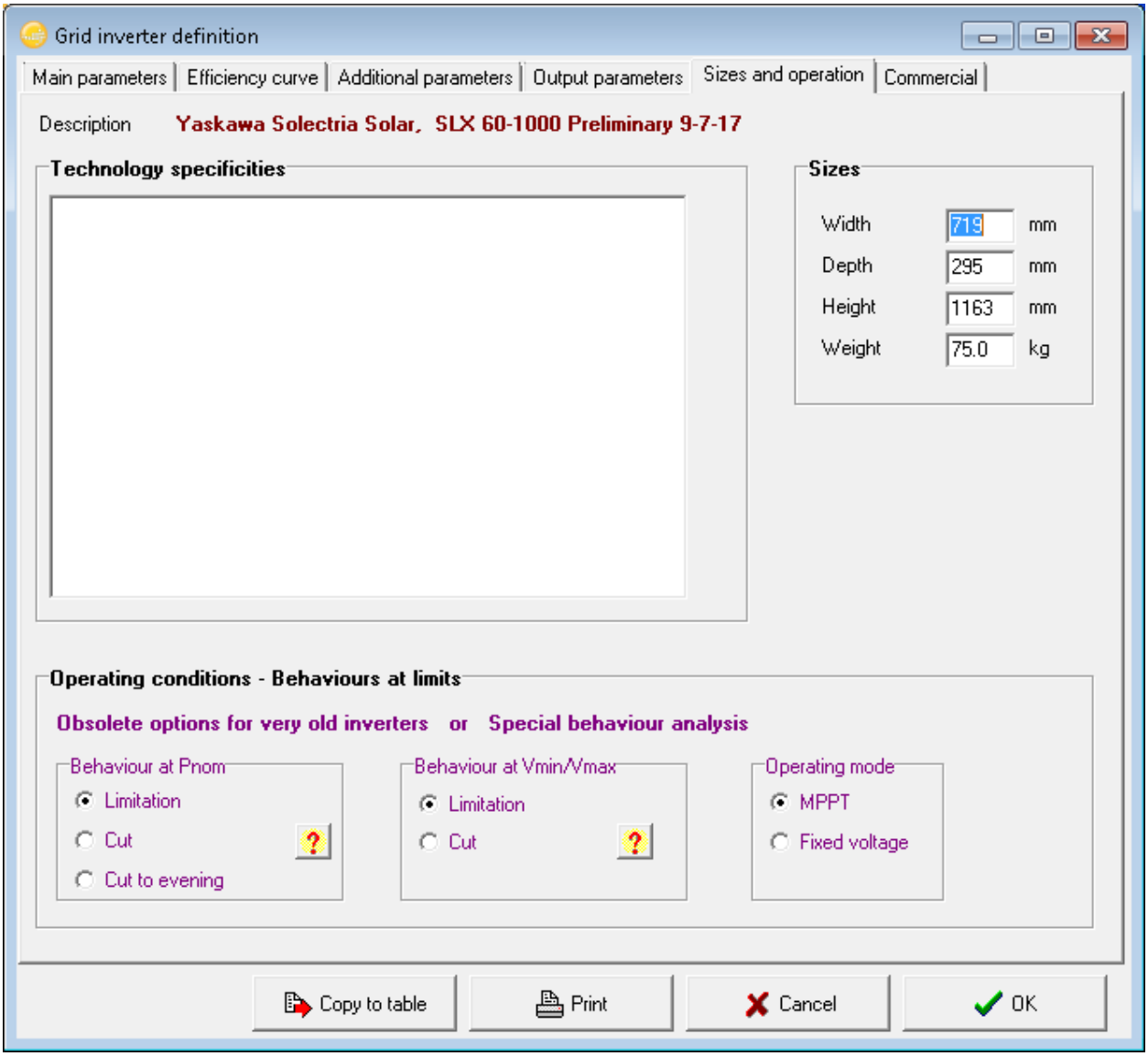
Grid inverter definition
Main parameters
Efficiency curve
Additional parameters
Output parameters
Sizes and operation
Commercial
Description
Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17
Technology specificities
Sizes
Width
719
mm
Depth
295
mm
Height
1163
mm
Weight
75.0
kg
Operating conditions - Behaviours at limits
Obsolete options for very old inverters or Special behaviour analysis
Behaviour at Pnom
Limitation
Cut
Cut to evening
Behaviour at Vmin/Vmax
Limitation
Cut
Operating mode
MPPT
Fixed voltage
Copy to table
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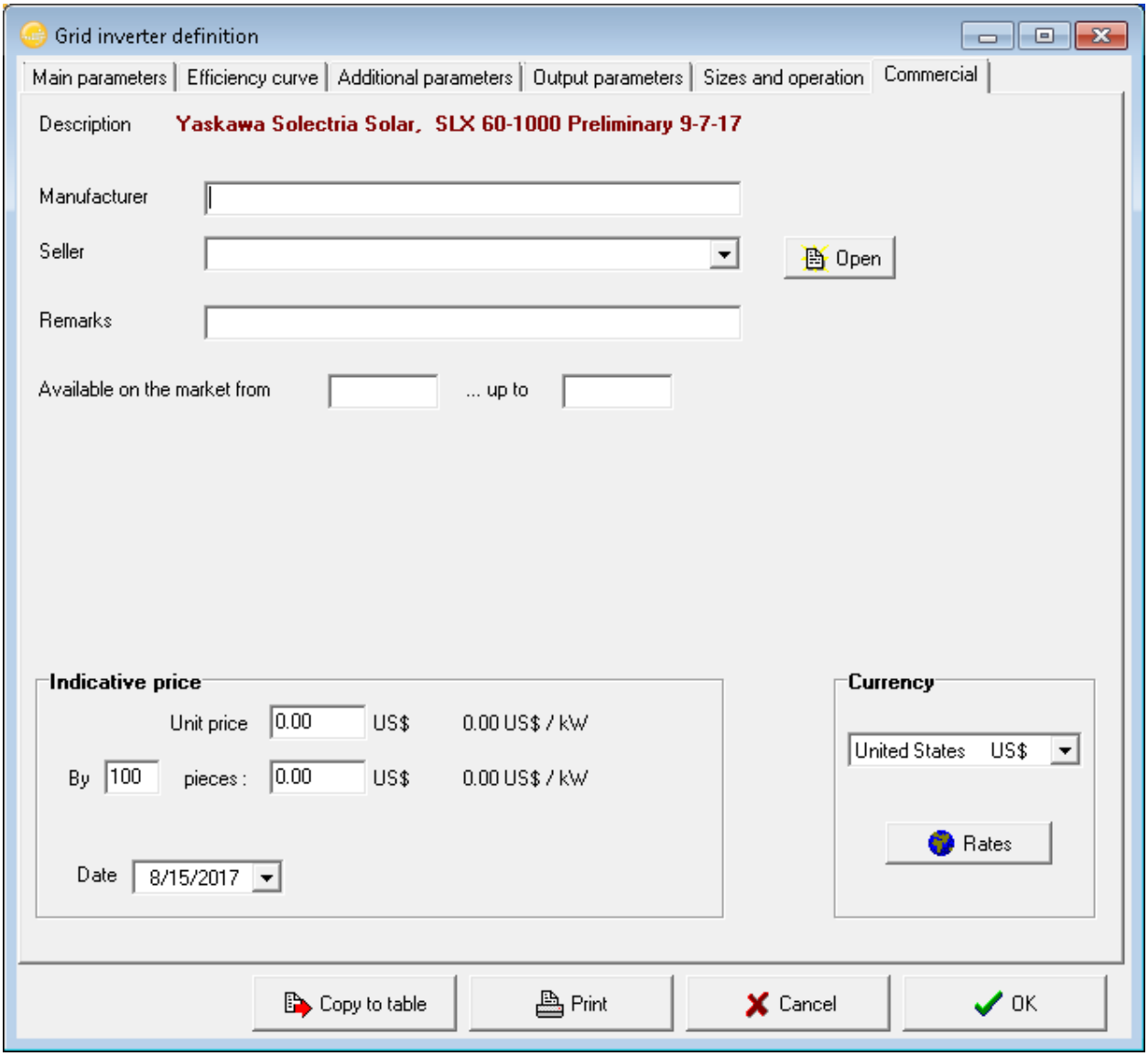
Cancel
OK


Grid inverter definition
Main parameters
Efficiency curve
Additional parameters
Output parameters
Sizes and operation
Commercial
Description
Yaskawa Solectria Solar, SLX 60-1000 Preliminary 9-7-17
Manufacturer
Seller
Open
Remarks
Available on the market from
... up to
Indicative price
Unit price
0.00
US$
0.00 US$ / kW
By
100
pieces :
0.00
US$
0.00 US$ / kW
Date
8/15/2017
Currency
United States US$
Rates
Copy to table
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OK