



EIES Container Solution
Technical Data Sheet



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Technical data sheet of sample dimensions of 100 Nm³/h

Version: July, 2014

MESY reserves the right at any time to adjust the data current developments.

Electrolyser 100 Nm³/h	Dimensions	Values
Rated stack capacity, hydrogen	Nm ³ /h	100,0
Rated stack capacity, oxygen	Nm ³ /h	50,0
Maximum operating pressure (output)	barg	30
Operating temperature	°C	< 80
Ambient temperature	°C	-25 / +40
Room temperature	°C	+5 / +40
Electrolyte (KOH solution) concentration	% w	25 - 30
O ₂ in H ₂ directly from stack	vol. %	< 0,1
H ₂ in O ₂ directly from stack	vol. %	< 0,6
KOH in H ₂	mg/Nm ³	< 1
Demineralized water consumption	l/h	100,00
Demineralized water conductivity	µS/cm	< 1
Nitrogen consumption (each shutdown)	kg	< 45
Stack Power consumption	kW	470
AUX Power consumption, max	kW	5
Cooling capacity	kWth	145,0
Dimensions		
Dimensions of electrolyser module (L x W x H)	mm	9.700 x 2.500 x 2.700
Dimensions of power system (L x W x H)	mm	2.000 x 1.600 x 2450