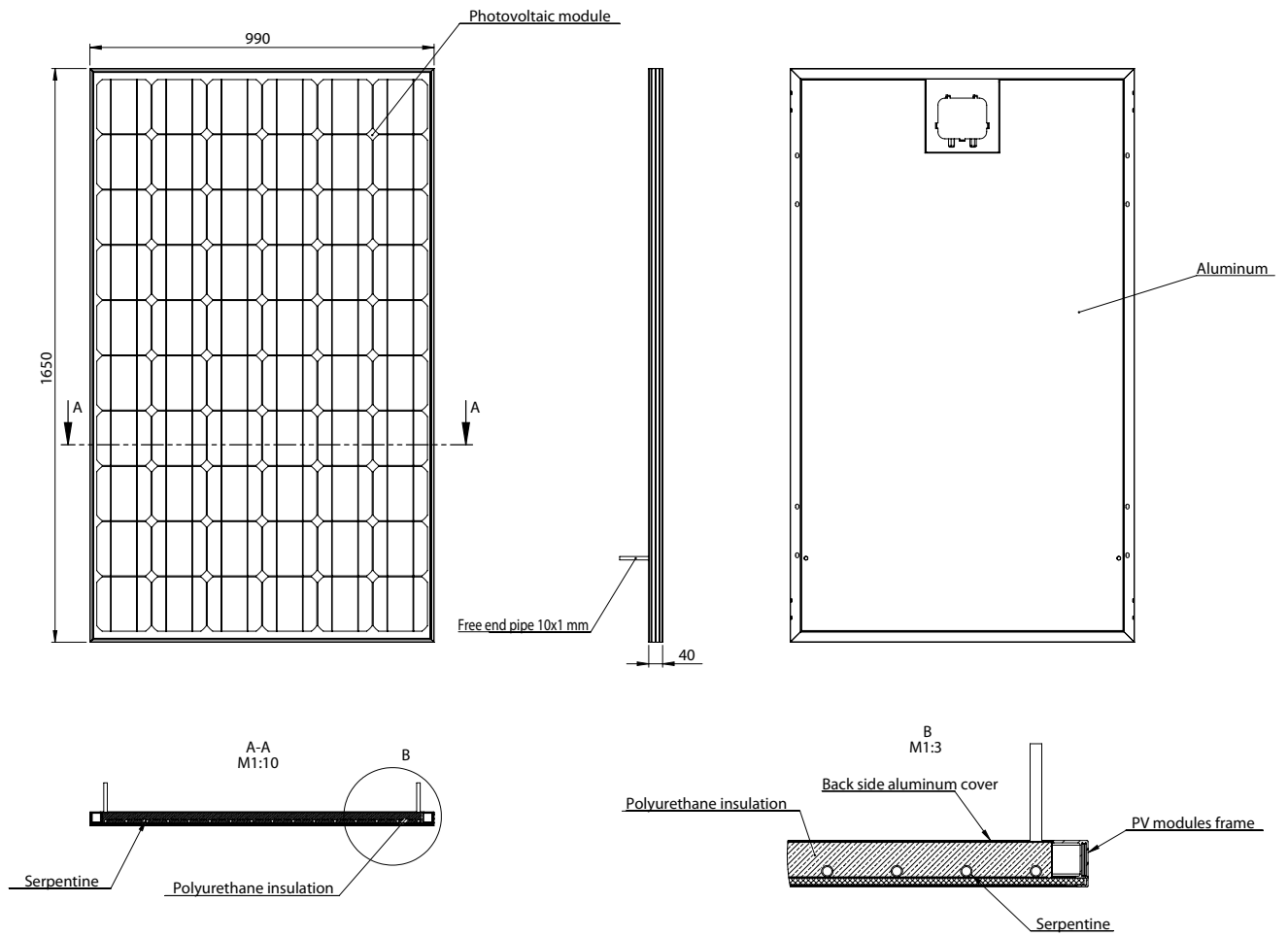


# PVT MODULE

*Electrical data	PVT module CPVT60P250
Number of cells	60 ( 6x10)
Peak power, Wp. tolerance -1 +3%	250
Voltage at maximum power, Vmp (V)	30,5
Open circuit voltage, Voc (V)	37,8
Current at maximum, Imp (A)	8,2
Short-circuit voltage, Isc (A)	8,75
Module efficiency, %	15,3
Working temperature, °C	от -40 до 85
Nominal operating cells temperature, °C	45
Maximal system voltage, V	1000
Rated current of diode , A	20
Temperature coefficient of power, %/°C	-0,38
Temperature coefficient of voltage, %/°C	-0,32
Temperature coefficient of current, %/°C	0,06
*All electrical data are in accordance with Standart test conditions ( 1000 W/m <sup>2</sup> ; AM 1,5; cells temperature 25°C)	
<b>Thermal data</b>	
Aperture area, m <sup>2</sup>	1,58
Thermal efficiency, $\eta_0$ **	55%
Nominal thermal power, W **	890
Volume flow rate, l/min	1,5-2,5
Flow losses, mmH <sub>2</sub> O	540-880
Fluid volume, l	1,1
Coefficient $\alpha_1$ **	6,3
Coefficient $\alpha_2$ **	0,08
Effective thermal capacity, kJ K <sup>-1</sup>	13,2
**Based on aperture area	
<b>Technical data</b>	
Module dimensions, mm	1650x990x40
Junction box	IP-65, 2 diode, cables 2x1 m, connectors MC4
Tempered low-iron prismatic solar glass, mm	3,2
Frame	Anodized aluminum
Hydraulic connection	Free end pipe 10x1mm
Weight, kg	31
Certificates	CE, IEC 61215, IEC 61730

# PVT MODULE

CPVT60P250



**Resistant to:**



85°C



Hail



Rain



-40°C