

# SSP140/400

<b>Type of Module:</b>	SSP140/400	
<b>Dimensions:</b>	W: 1018±3 mm x H: 1018±3mm	
<b>Thickness :</b>	60±1mm (framed)	
<b>Weight :</b>	21.5±0.5kg (including frame)	
<b>Assembly:</b>	Front: 3.2mm toughened safety glass extra white, structured EVA encapsulation of solar cells Rear: Tedlar™ foil, black or PET black film Heating System: Copper pipe, Backside Thermal Insulation Frame: aluminium, black	
<b>Arrangement:</b>	36 pseudo square polycrystalline solar cells 156 x 156 mm, series connection of 6 strings with 6 cells each, gap string/string: 3 mm, gap cell/cell: 4 mm	
<b>Electrical Data:</b>	Maximum Power ( $W_p$ ) ±3%: 140 Open Circuit Voltage ( $V_{oc}$ ): 21.55 Short-Circuit Current (A): 8.38 Rated Voltage ( $V_{mpp}$ ): 18.30 Rated Current ( $A_{mpp}$ ): 7.66 Module Efficiency 13.5%	
<b>Tolerances:</b>	+ / - 3 %	
<b>Note:</b>	The electrical data applies to standard test condition ( STC ) Irradiance at module level of 1000W/m <sup>2</sup> with spectrum AM 1.5 and cell temperature of 25°C	
<b>Cell Temperature:</b>	Power	-0.37 %/°C
<b>Coefficients:</b>	Open-Circuit Voltage	-0.3 %/°C
	Short-Circuit Current	0.06 %/°C
<b>Limits:</b>	Max. System Voltage	1000V DC
<b>Electr. Interface:</b>	Connection box with bypass diodes, Cable Length: 0.4m each	
<b>Heating Specification:</b>	Heating ( $Q_{max}$ ): 400 W ±10% Heating (Efficiency): 40% Pressure Lose: 2.3kPa (Flow Rate: 30 L/H)	