



# Desert Star

Temperature Rating +110°C

Solar  
photovoltaic  
products line for  
high temperature desert applications

## Bifacial High Temperature PV Panels TRAXLE™

Because of bifacial effect it can be installed vertically with negligible energy reduction.

Vertical installation results in very reduced (3X-5X) sand/dust accumulation on the module surface.

Cleaning of the vertical PV array is very easy.

Licensing of the bifacial solar cell/panel technology is possible.

We will be pleased to deliver complete bifacial cell/panel production lines.



## Specifications

Data at Standard Test Condition (T=25°C, AM=1.5, E=1000W/m<sup>2</sup>)

No	TYPE	TSM-540DS	
1	Peak Power (Pm)	540W	
2	Open Circuit Voltage(Voc)	63.78V	
3	Short Circuit Current (Isc)	10.44A	
4	Maximum Power Voltage (Vmp)	55.05V	
5	Maximum Power Current (Imp)	9.76	
6	Temperature coefficient of the current	0.05%/°C	
7	Temperature coefficient of the voltage	-0.30%/°C	
8	Temperature coefficient of the power	-0.40%/°C	
9	Maximum System Voltage	1.500V	
10	Linear degradation rate within <b>50</b> years	<b>-0.24% per year</b>	
11	Working Temperature	<b>-55°C to +115°C</b>	
12	Dimension(AxBxC)	1998x1312x40mm	
13	Cell Type	Monocrystalline	
14	Encapsulant	Polysiloxane gel	
15	J-box, cables & connectors	Tyco	
16	Quantity & Dimension of Cell	96 pcs 158,7x158,7mm	
17	Front Glass Type and Thickness	Tempered 3.2mm	
18	Back Glass Type and Thickness	Semi-tempered 2.0mm	
19	Installation	D1	1548mm
		D2	974mm
	Hole	Diameter	Φ 9mm
20	Weight	37.5kg	