

# Specification

Customer Name: \_\_\_\_\_

Product Name: 55W Flexibility Solar Panel

Model: TPS-FLX-DF55

Date : 2021-3-6

制作	审核	客户承认
刘拴平		

# SHENZHEN TOPRAY SOLAR CO., LTD

Model: TPS-FLX-DF55			
SOLAR CELL : DF Technology		Cell Size: 158.75*52.92MM	Type Of Cell: Adopt DF technology with high conversion efficiency
Production Process: flexible packaging technique			
项目	S/No.	Description	Remark
SIZE	1	Panel length	530MM (-2, +2) MM
	2	Panel width	700MM (-2, +2) MM
	3	Panel thickness	2.5 (-0.5, +0.5) MM
	5	Junction box	Glue type, 4.0sq.mm cable, 0.9m length with MC4 plug
Appear ance	1	scratch	No obvious scratches or damage on the surface
	2	Solar Cell color	No obvious different color on the surface
	3	Subfissure	No subfissure affecting performance
	4	Cell broken	The cell intact ,no any broken affecting performance
	5	Cell array	uniform
	6	Foreign matter	A white spot < 1CM in diameter or a bubble < 2MM in diameter and no obvious foreign body are allowed per square meter. The minimum distance between cell cells is > 0.2mm, the back is flat, and the back film is not allowed to have penetrating scratches.
Output  Flash tested at STC	1	Power (W)	55W (+/-5%)
	2	Voltage (Uoc)	21.12V
	3	Short-Current (Isc)	3.4A
	4	working voltage(v <sub>m</sub> )	17.92V
	5	working current(i <sub>m</sub> )	3.1A
	6	Cell efficiency	≥22%
	7	Cell connect	32pcs welding
	8	Testing Conditions	AM1.5,1000W/m <sup>2</sup> ,25°C
Working conditions	1	Working temperature	-40-+85°C
Life time: 25 years			

# Design Drawing

