

# SI-T2E series

Solar Integrated - PV Element - single layer system (S)

formerly named SI 544 T2E



Electrical specification	SI-T2E 544 S	SI-T2E 576 S	first 8-10 Weeks
Rated Power $P_{mpp}$ (STC)	544.0 Wp	576.0 Wp	+15%
Open-Circuit Voltage $V_{oc}$ (STC)	185.0 V	185.0 V	
Operating Voltage $V_{mpp}$ (STC)	132.0 V	132.0 V	+11%
Short-Circuit Current $I_{sc}$ (STC)	5.10 A	5.30 A	+ 4%
Operating Current $I_{mpp}$ (STC)	4.13 A	4.37 A	+ 4%
Temperature-Coefficient of $P_{mpp}$	-0.21 %/K	-0.21 %/K	
Temperature-Coefficient of $V_{oc}$	-0.38 %/K	-0.38 %/K	
Temperature-Coefficient of $V_{mpp}$	-0.31 %/K	-0.31 %/K	
Temperature-Coefficient of $I_{sc}$	+0.10 %/K	+0.10 %/K	
Temperature-Coefficient of $I_{mpp}$	+0.10 %/K	+0.10 %/K	
System Voltage max.	1000 V	1000 V	
Series Fuse Rating	8 A	8 A	
Minimum Blocking Diode	8 A	8 A	

## Quality specification for series

Tolerance of Rated Power	±5% (Single 22-L-B Laminate at STC)
Warranty on Power Output	20 years for 80% of Rated Power $P_{mpp}$ (STC)
Protection against Electrical Shock	Safety Class II (TÜV)
Certified	IEC 61646
Connectors	Multi Contact MC 4 PV-KST4/PV-KBT4

## Physical specification for series

Length	5 800 mm
Width	2 000 mm
Sarnafil FPO Membrane	TS 77-20E
Colour	Beige
Photovoltaic modules	4 x UNI-SOLAR® 22-L-B connected in series
Weight	56.3 kg
Specific weight	4.9 kg/m <sup>2</sup>
Weight with packaging (2 x SI-T2E)	136.0 kg

