



Intensity	Pmax	Ipm	Vpm
1000W/m ²	288.144W	8.142A	35.39V

Standard Test Condition (STC) 25°C, 1kw/m², AM 1.5

	TKSG-27001	TKSG-27501	TKSG-28001	TKSG-28501	TKSG-29001
Maximum Power Rating (W) +3%	270W	275W	280W	285W	290W
Open Circuit Voltage (Voc)	43.49	43.16	45.0	44.67	45.06
Short Circuit Current (Isc)	8.29	8.41	8.35	8.55	8.64
Maximum Power Voltage (Vmp)	35.41	35.26	35.5	35.81	35.89
Maximum Power Current (Imp)	7.67	7.84	7.89	7.95	8.16
Module Efficiency (%)	13.92	14.18	14.44	14.69	14.95
Maximum System Voltage	1000 / 600 VDC				
Output Terminal	Cable with Tyco / MC4 or MC4 Compatible Connectors				
Weight	22.55±1 kgs				
Dimensions (L x W x H)	1973 x 989 x 39mm (77.67" x 38.94" x 1.54")				
Temperature Coeff. of Voc	-0.32 % / K				
Temperature Coeff. of Isc	0.04 % / K				
Temperature Coeff. of Pmax	-0.44 % / K				
Normal Operating Cell Temp	45 ± 2 °C				

Specification subject to change without prior notice. Tainergy reserves the rights of final interpretation and revision of this datasheet.