



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-29001	TKSG-29501	TKSG-30001	TKSG-30501	TKSG-31001	TKSG-31501
Maximum Power Rating (W) +3%	290W	295W	300W	305W	310W	315W
Open Circuit Voltage (Voc)	45.06	45.24	45.31	45.42	45.61	45.91
Short Circuit Current (Isc)	8.64	8.66	8.68	8.72	8.78	8.91
Maximum Power Voltage (Vmp)	35.89	36.31	36.74	36.36	36.49	36.72
Maximum Power Current (Imp)	8.16	8.15	8.18	8.37	8.41	8.57
Module Efficiency (%)	14.95%	15.21%	15.47%	15.73%	15.98%	16.14%
Maximum System Voltage	600 / 1000 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.