

## KC85T-1

High efficiency multicrystal photovoltaic module



### ELECTRICAL PERFORMANCE

PV module type	KC85T-1	
<b>At 1000 W/m<sup>2</sup> (STC)*</b>		
Maximum Power	[W]	87
Maximum System Voltage	[V]	750
Maximum Power Voltage	[V]	17.4
Maximum Power Current	[A]	5.02
Open Circuit Voltage (V <sub>oc</sub> )	[V]	21.7
Short Circuit Current (I <sub>sc</sub> )	[A]	5.34
<b>At 800 W/m<sup>2</sup> (NOCT)**</b>		
Maximum Power	[W]	62
Maximum Power Voltage	[V]	15.3
Maximum Power Current	[A]	4.06
Open Circuit Voltage (V <sub>oc</sub> )	[V]	19.7
Short Circuit Current (I <sub>sc</sub> )	[A]	4.31
NOCT	[°C]	47
Power tolerance	[%]	+10 / -5
Temperature Coefficient of V <sub>oc</sub>	[V/°C]	-8.21 x 10 <sup>-2</sup>
Temperature Coefficient of I <sub>sc</sub>	[A/°C]	2.12 x 10 <sup>-3</sup>
Reduction of efficiency (from 1000 W/m <sup>2</sup> to 200 W/m <sup>2</sup> )	[%]	6.1

### DIMENSIONS

Length	[mm]	1007
Width	[mm]	652
Depth / incl. junction box	[mm]	36 / 58
Weight	[kg]	8.3
Connection type	Screw terminals	
Junction box	[mm]	170.6x191.6x51.5
IP Code	IP65	

### GENERAL INFORMATION

Performance guarantee	10**** / 20 years****
Warranty	2 years

### CELLS

Number per module	36
Cell Technology	multicrystal
Cell Shape	rectangular
Cell Bonding	3 busbar