

SOLAR MODULE – KM(P)50



ELECTRICAL CHARACTERISTICS		
Model Number		KM(P)50
Maximum Power	Pmax(W)	50
Power Tolerance	%	±5%
Maximum Power Voltage	Vm(V)	17.74V
Maximum Power Current	Im(A)	2.84A
Open Circuit Voltage	Voc(V)	21.56V
Short Circuit Current	Isc(A)	3.04A
Maximum System Voltage	VDC	750V
Cell Efficiency	%	15.4
Module Efficiency	%	12.3
Cells per Module	Pcs	36
Cell Type		Polycrystalline silicon
Cell Size	mm	156 x 58
Temperature coefficient of Isc	%/°C	+0.05
Temperature coefficient of Voc	%/°C	-0.34
Temperature coefficient of power	%/°C	-0.5
NOCT (Nominal operating cell temperature)	°C	47 ± 2
Operating Temperature	°C	-40 ~ +85
MECHANICAL CHARACTERISTICS		
Dimensions	mm	800 x 510 x 35
Weight	Kg	5.2
Type of Junction Box		PV junction box
Cable Type, Diameter		Without
Connector		Without
Tempered Glass		3.2 mm, high transmission, low iron

***STC Conditions:** Irradiance of 1000W/m², AM1.5 spectrum, cell temperature of 25°C.