



Microsys International (S) Pte Limited

Parameters	type	Poly-crystalline silicon
Maximum power (watt)	W	40W
Production tolerance		+3% /-3%
Maximum power voltage	V	17.5V
Maximum power current	A	2.28A
Open circuit voltage	V	21V
Short circuit current	A	2.33A
Size of module (wide and high)		610*510*28(MM)
Frame(type, material and thickness)		Anodized Alum. Alloy 28mm thickness
Number of cells		36pcs
Size of cells(wide and high)		156*156(MM)
Weight per piece	KG	4
By pass Schottky diode(3pcs)		10A
Type of junction box		TUV certified junction box
Certificates		CE, ROHS
Cable type and length, connector type		4cm ² TUV certified cable 1m long Multi contact connector (compatible to MC type IV)
Maximum system voltage		1000V
Temperature coefficient of Isc		±0.05%°C
Temperature coefficient of Voc		-0.33%°C
Temperature coefficient of power		-0.5%°C
Temperature coefficient of Imp		+0.08%°C
Temperature coefficient of Vm		-0.33%°C
NOCT(nominal operating cell temperature)		45°C (± °C)
Insulation		> = 100MOhm
Voltage standoff		AC2000V, DC 3000V
Wind bearing		60m/s(200kg/sq.m)
Impact resistance hail impact test		227g steel ball fall down from 1m height
Encapsulated with toughened glass		Low iron tempered glass with thickness of 3.2mm,light transmittance above91%
Superstrate in front		Hi-sheet RC 02B (0.45mm thick)/Japan
Backside foil		PTL3-38/75(0.17mm thick),Krempel/Germany
Conversion efficiency		Cell conversion efficiency > 15.75%
Quality guarantee		2years product warranty,10years 90% and 25years 80% of the power

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