

**54 CELL MODEL**

ELECTRICAL CHARACTERISTICS			
RATED POWER (Wp)	<b>225</b>	<b>230</b>	<b>235</b>
OPEN CIRCUIT VOLTAGE (Voc)	34.00 V	34.10 V	31.20 V
MAXIMUM POWER VOLTAGE (Vmp)	27.80 V	28.10 V	28.30 V
SHORT CIRCUIT CURRENT (Isc)	8.62 A	8.64 A	8.77 A
MAXIMUM POWER CURRENT (Imp)	8.10 A	8.20 A	8.30 A
MODULE EFFICIENCY (%)	15.0	15.3	15.6
OUTPUT TOLERANCE (%)	±3		
CELLS PER MODULE	54		
CELL LAYOUT	9x6		
MAXIMUM SYSTEM VOLTAGE	1000 VDC		

ELECTRICAL CONNECTION	
JUNCTION BOX	IP 65
OUTPUT TERMINAL	MC 4 TYPE / COMPATIBLE
PROTECTION	SCHOTTKY BY – PASS DIODES

MECHANICAL CHARACTERISTICS	
MODULE DIMENSIONS (mm)	1512 x 996 x 46
WEIGHT (KG.APPROX)	22

ABSOLUTE MAXIMUM RATINGS	
OPERATING TEMPERATURE	-40° C to + 85° C

GENERAL	
FRAME	ANODIZED ALUMINUM
FRAME COLOUR	NATURAL MATT / GLOSSY STEEL FINISH (OPTIONAL)

TEMPERATURE CO-EFFICIENT		
$\alpha_{Isc}$	$\beta_{Voc}$	$\gamma_{Pmp}$
%/°C	%/°C	%/°C
+0.1	-0.36	-0.5
<b>NOCT</b>	47±2°C	

WARRANTY
5 YEARS PRODUCT WARRANTY
0 - 10 YEARS FOR 90% OF RATED POWER
10 - 25 YEARS FOR 80% OF RATED POWER

**INDIA**  
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**INTERNATIONAL OFFICES**

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