

72 CELL MODEL

ELECTRICAL CHARACTERISTICS				
RATED POWER (Wp)	300	305	310	315
OPEN CIRCUIT VOLTAGE (Voc)	45.00 V	45.35 V	45.50 V	45.60 V
MAXIMUM POWER VOLTAGE (Vmp)	37.25 V	37.50 V	37.80 V	37.83 V
SHORT CIRCUIT CURRENT (Isc)	8.57 A	8.62 A	8.64 A	8.77 A
MAXIMUM POWER CURRENT (Imp)	8.05 A	8.13 A	8.20 A	8.32 A
MODULE EFFICIENCY (%)	15.2	15.4	15.7	16.0
OUTPUT TOLERANCE (%)	±3			
CELLS PER MODULE	72			
CELL LAYOUT	12x6			
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)	1988 x 994 x 46
WEIGHT (KG.APPROX)	28

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		
α_{Isc}	β_{Voc}	$\gamma_{P_{MP}}$
%/°C	%/°C	%/°C
+0.1	-0.36	-0.5
NOCT	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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