



Solar Module Specification

Electrical Characteristics	NS-10 Wp	NS-20 Wp	NS-40 Wp	NS-50 Wp	NS-60 Wp	NS-75 Wp	NS-100 Wp	NS-125 Wp	NS-150 Wp
Peak Power (WP)	10	20	40	50	60	75	100	125	150
Open Circuit Voltage Voc (V)	21.60								
Short Circuit Current Isc (A)	.78	1.28	2.41	3.06	3.54	4.59	6.22	7.45	8.72
Voltage at maximum Power (Vmp) (V)	17.54	18	18	18	18	18	18	18	18
Current at maximum Power (Imp) (A)	.68	1.15	2.24	2.82	3.35	4.21	5.75	6.95	8.35
Maximum System Voltage (V)	600								
Physical Parameters									
Solar Cell Type (MC)	Multi								
Solar Cell Per Module (Units)	36								
Arrangement of cells(L*B) (nos.)	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4
Weight (kg)	1.200	2.200	3.700	4.320	4.90	6.580	8.300	9.70	11.10
Hole to hole dimension (mm)(CTC)	X = 315 Y = 145	X = 315 Y = 260	X = 645 Y = 212	X = 645 Y = 267	X = 645 Y = 297	X = 645 Y = 386	X = 630 Y = 505	X = 630 Y = 627	X = 630 Y = 742
Module Size L x W x H (mm)	340*295*22	525*340*22	660*425*38	660*535*38	660*595*38	773*660*38	1010*665*35	1255*665*35	1485*665*35
Measurement Tolerance on power +/-3 %. All electrical parameters specified at: STC: 25 C cell temperature; 1000W/m2 Irradiance									
Other Characteristics	All dimension in mm tolerances ± 2MM								
Type of Cell	Multi Crystalline Silicon								
Front Face	Tempered Glass (Low Iron), 3.2mm								
Encapsulate	Ethylene Vinyl Acetate (PID)								
Frame	=17µ Anodize Thickness Aluminium Frame with Twin Profile								
Junction Box	IP 65/67, 3 Terminal, 2 Diodes								
Temp. Coefficients of Pmax (%/oC)	-0.45								
Temp. Coefficients of Voc (%/oC)	-0.35								
Temp. Coefficients of Isc (%/oC)	0.05								

