



## Solar Module Specification

Electrical Characteristics	NS-300Wp	NS-305Wp	NS-310Wp	NS-315Wp	NS-320Wp	NS-330Wp	NS-340Wp	NS-350Wp	
Peak Power (WP)	300	305	310	315	320	330	340	350	
Open Circuit Voltage Voc (V)	45.36	45.38	45.67	46.04	46.12	46.42	47.26	47.44	
Short Circuit Current Isc (A)	8.64	8.68	8.76	8.89	8.98	9.40	9.81	9.85	
Voltage at maximum Power (Vmp) (V)	37.66	37.43	37.54	37.76	37.82	37.85	37.89	37.93	
Current at maximum Power (Imp) (A)	7.99	8.15	8.26	8.34	8.47	8.72	9.04	9.24	
Hole to hole dimension (mm)(CTC)						X = 940 Y = 980			
Module size L x W x H (mm)						1960*982*35			
Solar Cell Per Module (Units)						72			
Solar Cell Type (MC)						Multi		Mono	
Maximum System Voltage (V)						1000 (TUV)			
Arrangement of cells(L*B) (nos.)						12*6			
Weight						21.8			
Junction Box (IP67)						4 terminal with 3 bypass diodes(20A)			
Tolerance of electrical parameters						±3%,Prn Positive Tolerance		Guarantee & Certifications: Product Warranty: 25Years	
Temperature Coefficients								Performance Guaranteed Power: Output of 90%	
Coefficients of currents a (%/°C)						0.05±0.02		for 10 Years & 80% for 25 Years	
Coefficients of Voltage b (%/°C)						-0.35±0.01		Approval & Certificates: MNRE, IEC & ISO	
Coefficients of Power b (%/°C)						-0.44±0.02		TUV IEC 61215 ed. IEC 61730	
Maximum System Voltage (V)						1000(TUV)		Packing Information: Quantity/Pallet: 2 in 1	
Temperature Range						-40°C to +85°C			
Efficiency Reduction at 200wm <sup>2</sup> ,25°C						<5%			
Standard Test Condition (STC)						Irradiance 1000Wm <sup>2</sup> , Temperature 25°C,AM 1.5			
Mechanical Specification									
Cabel & Connections						4mm <sup>2</sup> , TUV Certified, 1000 mm (Optional)			
Application Class						Class A (Safety Class)			
Front Cover						High Transmission, Low Iron, Tempered Glass			
Cell Incapsulate						Ethylene Vinyl Acetate (PID)			
Back Cover						Composite Film			
Frame						=17μ Anodize Thickness Aluminium Frame with Twin Profile			

