



## Solar Module Specification

Electrical Characteristics	NS-200Wp	NS-200Wp	NS-250Wp	NS-250Wp	NS-250Wp	NS-260Wp	NS-270Wp	NS-280Wp		
Peak Power (WP)	200	200	250	250	250	260	270	280		
Open Circuit Voltage Voc (V)	21.60	36.8	37.36	21.6	44.64	37.85	38.46	38.54		
Short Circuit Current Isc (A)	12	7.26	8.57	15	7.26	8.78	9.10	9.85		
Voltage at maximum Power (Vmp) (V)	17.64	30.68	30.82	17.64	35.06	31.38	31.52	31.65		
Current at maximum Power (Imp) (A)	11.35	6.54	8.14	14.2	7.15	8.29	8.54	8.75		
Hole to hole dimension (mm)(CTC)	X = 945 Y = 740		X = 945 Y = 822							
Module size LxWxH (mm)	1485*982*35			1644*982*35						
Solar Cell Per Module (Units)	72	60	60	72		60				
Solar Cell Type (MC)					Multi			Mono		
Maximum System Voltage (V)	1000 (TUV)									
Arrangement of cells(L*B) (nos.)	12*6	10*6		12*6		10*6				
Weight	16.8	16.8	17.6							
Junction Box (IP67)	4 terminal with 3 bypass diodes(20A)									
Tolerance of electrical parameters	±3%,P/n Positive Tolerance					Guarantee & Certifications: Product Warranty: 25 Years				
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 1000W/m <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									

