

Solar Power Plant Keeps you on
for more than one Generation



TECHNOLOGIES

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UPS



Solar PV System



Wind Generator



Battery

NCE Series

Solar Photovoltaic modules



Complies with :



IEC 61215:2005 Ed.2 Crystalline silicon terrestrial photovoltaic modules - Design qualification and type approval.



IEC 617380-1 and IEC 61730-2 Safety Class II, Application Class A(Photovoltaic module safety qualification, requirements for construction, testing and fire rating class C)



IEC 61701 : Salt Mist Corrosion Testing.

Heavy Mechanical Load & Snow Load @ 5400 Pascal.



Modules tested at MNRE, Solar Energy Centre, Gurgaon.

ISO 9001:2008 Certified Company.

Electrical Characteristics at Standard Test Conditions (STC)

Model	NCE140	NCE190	NCE215	NCE240	NCE290
Watt at Max.Power(Pmax)	140Wp	190Wp	215Wp	240Wp	290Wp
Open Circuit Voltage (Voc)	22.30V	29.60V	33.10V	36.90V	44.60V
Short Circuit Current (Isc)	8.26A	8.45A	8.56A	8.51A	8.54A
Volt.Max Power Point(Vmpp)	18.00V	23.90V	26.70V	30.00V	36.10V
Curr.Max.Power Point(Impp)	7.78A	7.95A	8.06A	8.00A	8.04A
Module Efficiency	14.09%	14.57%	14.73%	14.87%	15.07%
Dimensions (in mm)	1012 * 982 * 40	1328 * 982 * 42	1486 * 982 * 40	1644 * 982 * 40	1960 * 982 * 42
Module area	0.994m ²	1.304m ²	1.459m ²	1.614m ²	1.925m ²
Weight	14.0Kg	18.5Kg	20.0Kg	22.3Kg	25.7Kg
Number of Cells	36	48	54	60	72
Cells	156mm * 156mm Polycrystalline Cells				
Tolerance of Pmax	± 3%				

Pmax, Voc, Isc, Vmp and Imp tested at STC defined as irradiance of 1000W/m² at AM 1.5 solar spectrum and temperature 25°C

ABOUT NCE SOLAR SYSTEMS

NCE Solar Systems is a Vertically Integrated Company and contributes for reducing the carbon emission and Providing this world a better living style.

NCE Solar Panel uses quality raw materials manufactured by, international standard Companies, which enables a better finished product and having longer reliability.

We Offer the following products/services :

- Solar PV Contractors
- MW Class Solar Power Plants
- On-Grid / Off-Grid Commercial / Industrial / Residential Roof-tops
- Roof Top Inverters, On-Grid & Off-Grid Applications conforming to IEC 61683 / IEC 60068 Standard
- Solar Water Pumping Stations

NCE Series

Solar Photovoltaic Modules



Polycrystalline Monocrystalline Hybrid AllBlack



ISO 9001 : 2000 Certified Company

Modules Tested at MNRE, Solar Energy Centre, Gurgaon

Model	NCE3-6V	NCE5-6V	NCE5	NCE10	NCE20
Watt at Max.Power(Pmax)	3Wp	5Wp-6V	5Wp-12V	10Wp	20Wp
Open Circuit Voltage (Voc)	10.2V	10.2V	21.0V	21.0V	21.0V
Short Circuit Current (Isc)	0.40A	0.64A	0.34A	0.67A	1.34A
Volt at Max Power Point (Vmpp)	8.3V	8.3V	16.5V	16.5V	16.5V
Curr at Max.Power Point (Imp)	0.37A	0.61A	0.31A	0.61A	1.22A
Module Efficiency	9.4%	10.86%	8.77%	10.86%	12.0%
Dimensions (in mm)	186*186*17/22	262 *186 *17/22	311 *186 *17/22	270 *344 *17/22	485 *344 *17/22
Module Area	0.032m ²	0.046m ²	0.057m ²	0.092m ²	0.166m ²
Weight	0.5Kg	0.7Kg	0.9Kg	1.5Kg	2.7Kg
Tolerance of Pmax	± 5%	± 5%	± 5%	± 5%	± 5%

Model	NCE30	NCE35	NCE50	NCE75	NCE100
Watt at Max.Power(Pmax)	30Wp	35Wp	50Wp	75Wp	100Wp
Open Circuit Voltage (Voc)	21.0V	21.0V	21.0V	21.0V	21.0V
Short Circuit Current (Isc)	1.94A	2.29A	3.26A	4.86A	6.50A
Volt at Max Power Point (Vmpp)	17.10V	17.10V	17.10V	17.10V	17.10V
Curr.Max Power Point (Imp)	1.76A	2.05A	2.93A	4.39A	5.85A
Module Efficiency	12.98%	12.63%	14.12%	14.73%	15.06%
Dimensions (in mm)	350 *661 *35	420 *661 * 35	537 *661 *35	771 *661 *35	1005 *661 *35
Module Area	0.231m ²	0.277m ²	0.354m ²	0.509m ²	0.664m ²
Weight	3.0Kg	3.5Kg	4.5Kg	6.5Kg	8.5Kg
Tolerance of Pmax	± 5%	± 5%	± 5%	± 5%	± 5%

Pmax, Voc, Isc, Vmp and Imp tested at STC defined as irradiance of 1000W/m² at AM 1.5 solar spectrum and temperature 25°C



Solar Street Light



Solar Pump



Solar Water Heater





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9043207333 (SOLAR CONSULTING)

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