40 Years of Trusted Brand Name

Offering Excellence Since 1979

bluebird SOLAR
co-powering the future

- 5 BB cells ensure high efficiency
- 3.2 mm AR coated glass for better light absorption
- Excellent performance under low light & cloudy condition
- PID Resistant cells and encapsulants
- Only positive power tolerance
- Increased module power output.

SOLAR PV MODULES

Built with modern technology for various power needs

BIS Certified

MAKE IN INDIA

5 BB CELLS

Polycrystalline 40-100 W
Mono PERC 50-125 W

36 Cells

Module Series	POLYCRYSTALLINE					
	BBS12C40	BBS12C50**	BBS12C60	BBS12C75**	BBS12C80	BBS12C100**
Electrical Characteristics at STC:						
Maximum Power Pmax (Wp)	40.00	50.00	60.00	75.00	80.00	100.00
Maximum Voltage Vmpp (V)	18.50	18.50	18.50	18.50	18.50	18.50
Maximum Current Impp (A)	2.16	2.70	3.24	4.05	4.32	5.41
Open Circuit Voltage Voc (V)	22.00	22.00	22.00	22.00	22.00	22.00
Short Circuit Current Isc (A)	2.31	2.85	3.39	4.20	4.47	5.56
Module Efficiency (%)	14.00	14.10	14.25	14.40	14.50	15.25

Module Series	MONOCRYSTALLINE-PERC			
	BBS12MC50	BBS12MC60**	BBS12MC100	BBS12MC125
Electrical Characteristics at STC:				
Maximum Power Pmax (Wp)	50.00	60.00	100.00	125.00
Maximum Voltage Vmpp (V)	20.00	20.00	20.00	20.00
Maximum Current Impp (A)	2.50	3.00	5.00	6.25
Open Circuit Voltage Voc (V)	22.50	22.50	22.50	22.50
Short Circuit Current Isc (A)	2.65	3.18	5.30	6.63
Module Efficiency (%)	17.50	17.80	18.40	18.60

Polycrystalline 150-170 W
Mono PERC 180-200 W

36 Cells

5 BB CELLS

Module Series	POLYCRYSTALLINE			MONOCRYSTALLINE-PERC		
	BBS12F150**	BBS12F165	BBS12F170	BBS12MF180	BBS12MF185	BBS12MF 200
Electrical Characteristics at STC:						
Maximum Power Pmax (Wp)	150.00	165.00	170.00	180.00	185.00	200.00
Maximum Voltage Vmpp (V)	17.98	18.18	18.24	20.30	20.34	23.56
Maximum Current Impp (A)	8.32	9.08	9.32	8.87	9.10	8.49
Open Circuit Voltage Voc (V)	21.18	21.38	21.47	23.83	24.08	27.76
Short Circuit Current Isc (A)	8.84	9.62	9.87	9.17	9.64	9.00
Module Efficiency (%)	15.00	15.20	15.40	18.30	18.50	18.70

**some models are constructed in 32 cells
STC:1000W/m2 irradiance, 25°C cell temperature, AM1.5G spectrum according to EN 60904-3
Average relative efficiency reduction of<5% for every 200W/m^2 reduction in Irradiance, according to EN 60904-1

5 BB CELLS

Polycrystalline 250-280 W
Mono PERC 310-330 W

60 Cells

Module Series	POLYCRYSTALLINE				MONOCRYSTALLINE-PERC		
	BBS24F250**	BBS24F270	BBS24F275	BBS24F280	BBS24MF310	BBS24MF320	BBS24MF330
Electrical Characteristics at STC:							
Maximum Power Pmax (Wp)	250.00	270.00	275.00	280.00	310.00	320.00	330.00
Maximum Voltage Vmpp (V)	27.22	30.40	30.46	30.51	32.60	33.17	38.45
Maximum Current Impp (A)	9.19	8.88	9.03	9.18	9.51	9.65	8.58
Open Circuit Voltage Voc (V)	32.02	35.80	35.86	35.91	40.30	40.78	46.01
Short Circuit Current Isc (A)	9.74	9.41	9.57	9.73	10.04	10.18	9.44
Module Efficiency (%)	16.30	16.65	17.00	17.25	18.80	19.40	20.50

**some models are constructed in 54 cells

Polycrystalline 300-340 W
Mono PERC 375-400 W

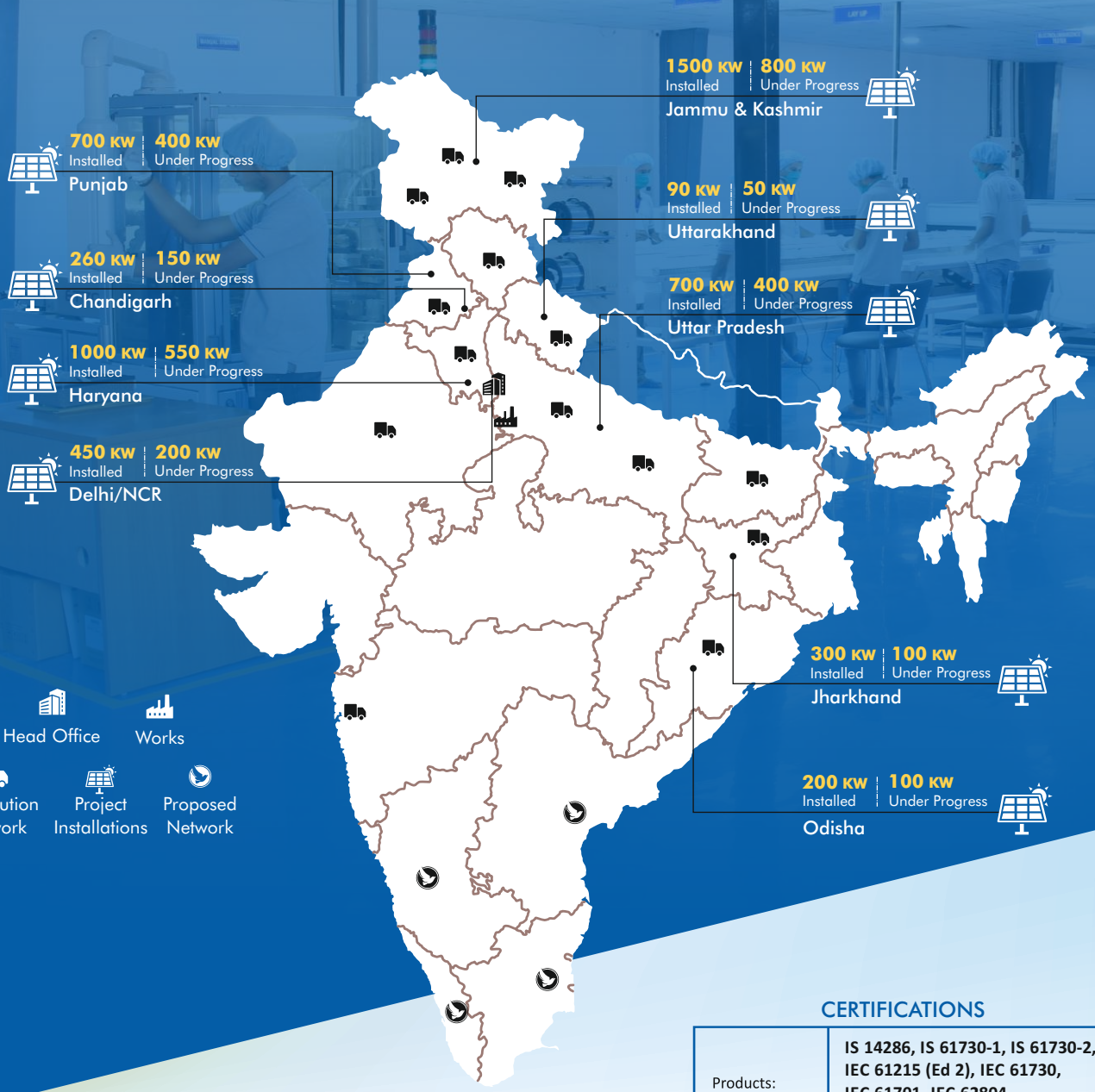
72 Cells

5 BB CELLS

Module Series	POLYCRYSTALLINE				MONOCRYSTALLINE-PERC		
	BBS24F300**	BBS24F330	BBS24F335	BBS24F340	BBS24MF375	BBS24MF385	BBS24MF400
Electrical Characteristics at STC:							
Maximum Power Pmax (Wp)	300.00	330.00	335.00	340.00	375.00	385.00	400.00
Maximum Voltage Vmpp (V)	33.90	38.45	38.52	38.58	39.27	40.22	40.15
Maximum Current Impp (A)	8.85	8.58	8.70	8.82	9.55	9.57	9.96
Open Circuit Voltage Voc (V)	39.90	46.01	46.08	46.15	48.47	49.05	49.30
Short Circuit Current Isc (A)	9.38	9.44	9.57	9.70	10.06	10.17	10.22
Module Efficiency (%)	16.70	17.00	17.20	17.40	19.00	19.50	20.50

**some models are constructed in 66 cells
STC:1000W/m2 irradiance, 25°C cell temperature, AM1.5G spectrum according to EN 60904-3
Average relative efficiency reduction of<5% for every 200W/m² reduction in Irradiance, according to EN 60904-1

OUR PRESENCE



CERTIFICATIONS

Products:	IS 14286, IS 61730-1, IS 61730-2, IEC 61215 (Ed 2), IEC 61730, IEC 61701, IEC 62804, CE, UL 1703, CEC
Manufacturing:	ISO 9001:2015, ISO 14001:2015 ISO 45001:2018, ROHS

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