



IBS36P

KEY FEATURES



years
**Product
Warranty**



years
**Performance
Warranty**



Cell efficiency
up to **19.0 %**



Module efficiency
up to **16.0 %**



Heavy snow load
up to **5,400 Pa**



Wind load
up to **2,400 Pa**



PID Free



ELECTRICAL PARAMETERS / MODEL IBS36P

Maximum Power (Pmax/W)	5	10	15	20	25	30	35	40	45	50
Operating Voltage (Vmpp/V)	17.4	17.1	17.9	18.3	17.9	18.3	18.3	17.9	17.8	18.5
Operating Current (Impp/A)	0.29	0.59	0.84	1.09	1.40	1.64	1.91	2.51	2.53	2.71
Open-Circuit Voltage (Voc/V)	22.0	21.8	22.1	22.3	22.1	22.3	22.3	22.1	22.0	22.9
Short-Circuit Current (Isc/A)	0.31	0.65	0.92	1.19	1.54	1.79	2.08	2.78	2.72	2.89
Module Efficiency η_m (%)	8.90	10.80	10.80	11.64	12.00	12.50	12.50	12.38	12.60	14.00
Weight (kg)	0.8	1.34	1.8	2.1	2.7	3.1	3.3	4.3	4.2	4.2
Dimensions (mm)	290x190x25	245x375x25	298x350x25	487x350x25	428x513x25	457x513x25	419x676x25	529x676x25	660x540x25	660x540x25

Maximum Power (Pmax/W)	55	60	65	70	75	80	85	90	95	100
Operating Voltage (Vmpp/V)	17.8	18.5	17.5	18.0	18.5	17.7	18.1	17.8	18.2	18.5
Operating Current (Impp/A)	3.08	3.25	3.71	3.89	4.06	4.53	4.71	5.06	5.23	5.41
Open-Circuit Voltage (Voc/V)	22.1	22.9	21.7	22.3	22.9	21.9	22.4	22.0	22.5	22.9
Short-Circuit Current (Isc/A)	3.28	3.44	4.00	4.15	4.31	4.84	4.99	5.44	5.59	5.74
Module Efficiency η_m (%)	13.20	14.40	12.70	13.70	14.70	13.30	14.10	13.50	14.20	15.00
Weight (kg)	4.8	4.8	6.2	6.2	6.2	6.65	6.65	7.65	7.65	7.65
Dimensions (mm)	660x630x25	660x630x25	770x660x30	770x660x30	770x660x30	910x660x30	1910x660x25	1010x660x25	1010x660x25	1010x660x25

Maximum Power (Pmax/W)	110	120	125	130	135	140	145	150	155	160
Operating Voltage (Vmpp/V)	17.8	17.7	17.9	17.4	17.4	18.0	18.2	18.7	19.2	19.6
Operating Current (Impp/A)	6.17	6.80	6.98	7.48	7.76	7.77	7.99	8.06	8.10	8.24
Open-Circuit Voltage (Voc/V)	22.1	22.7	22.7	22.6	23.4	22.3	22.5	22.2	22.9	23.0
Short-Circuit Current (Isc/A)	6.55	7.36	7.47	8.08	8.29	8.30	18.47	8.63	8.65	8.79
Module Efficiency η_m (%)	14.00	14.30	14.90	14.00	14.60	14.00	14.50	15.03	15.53	16.03
Weight (kg)	8.73	9.31	9.31	10.3	10.3	10.8	10.8	12.5	12.5	12.5
Dimensions (mm)	1190x660x25	1270x660x25	1270x660x25	1400x660x30	1400x660x30	1470x680x30	1470x680x30	1480x674x35.3	1480x674x35.3	1480x674x35.3

Power Tolerance (Wp) $\pm 3\%$

NOCT $45 \pm 2^\circ\text{C}$

Values at Standard Test Conditions STC (AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C)

SPECIFICATIONS

Cell Type	Poly Crystalline
Number of cells	36 (4x9)
Front side glass	3.2 mm hardened solar tempered glass
Cable length	0-1,000 mm
Cable cross section size	2.5-4 mm ²
Number of bypass diodes	1-2
Connectors	Alligator clip / MC4 compatible
Frame	Anodized Aluminium Alloy
Junction Box	IP65

WORKING CONDITIONS

Maximum System Voltage	DC 50-1,000 V (IEC)
Operating temperature	-40 °C / +85 °C
Maximum reverse current	8-15 A
IP protection level	IP65
Safety class	II

TEMPERATURE COEFFICIENTS

Power temperature coefficient (Pmax)	-0.41 %/°C
Voltage temperature coefficient (Voc)	-0.38 %/°C
Current temperature coefficient (Isc)	+0.058 %/°C

PARTNERS

