

SOLAR PV MODULE (DCR / NON-DCR)

108 HALF CUT MONO PERC CELL

MONO FACIAL 385-415 W

Transition to a Brighter Tomorrow



SMBB TECHNOLOGY

Better light trapping and current collection to improve module power output and reliability



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR



Auto Bussing & Soldering Technology

Induction based Improved soldering quality without pollution to module



Enhanced Mechanical Load

Certified to withstand wind load (2400 Pascal) and snow load (5400 Pascal)

High Performance Guarantee!



**LINEAR POWER
OUTPUT WARRANTY**



**PRODUCT
WARRANTY**

Suitable for



RESIDENTIAL



UTILITY



COMMERCIAL



OFF-GRID

Certification



IEC 62804 (PID) | IEC 61701 (Salt Mist) | IEC 61726 (Ammonia)

IEC 60068 (Sand & Dust) | IEC 61215 | IEC 61730 | UL 61730

M10-182MM WAFER, IDEAL FOR ULTRA-LARGE POWER PLANT

AVAILABLE IN ALL BLACK RANGE

Electrical Characteristics (STC)

MODULE TYPE	PE-385HM	PE-390HM	PE-395HM	PE-400HM	PE-405HM	PE-410HM	PE-415HM
Maximum Power (Pmp)	385	390	395	400	405	410	415
Open Circuit Voltage (Voc)	36.88	36.92	36.96	37.00	37.3	37.5	37.7
Short Circuit Current (Isc)	13.28	13.43	13.59	13.74	13.81	13.88	13.95
Maximum Power Voltage (Vmp)	30.88	30.92	30.96	31.0	31.04	31.08	31.12
Maximum Power Current (Imp)	12.47	12.61	12.76	12.90	12.90	13.19	13.34
Module Efficiency (%)	19.72	19.97	20.23	20.48	20.48	21.00	21.25
Power Tolerance	(-0,+5W)						
Maximum System Voltage	1500						
Maximum Series Fuse Rating	25A						

*STC Irradiance 1000W/m2, Module Temperature 25°C and AM 1.5

* No Negative Power Tolerance in Nominal Power

Test Uncertainty: ±3%

Electrical Characteristics (NOCT)

MODULE TYPE	PE-385HM	PE-390HM	PE-395HM	PE-400HM	PE-405HM	PE-410HM	PE-415HM
Maximum Power (Pmp)	283	287	291	294	298	302	305
Open Circuit Voltage (Voc)	34.46	34.50	34.53	34.57	34.85	35.04	35.23
Short Circuit Current (Isc)	10.58	10.71	10.83	10.95	11.01	11.06	11.12
Maximum Power Voltage (Vmp)	28.65	28.69	28.73	28.77	28.80	28.84	28.88
Maximum Power Current (Imp)	9.88	10.00	10.11	10.23	10.34	10.46	10.57
Module Efficiency (%)	14.50	14.69	14.88	15.07	15.07	15.44	15.63

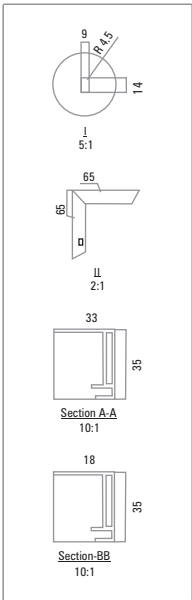
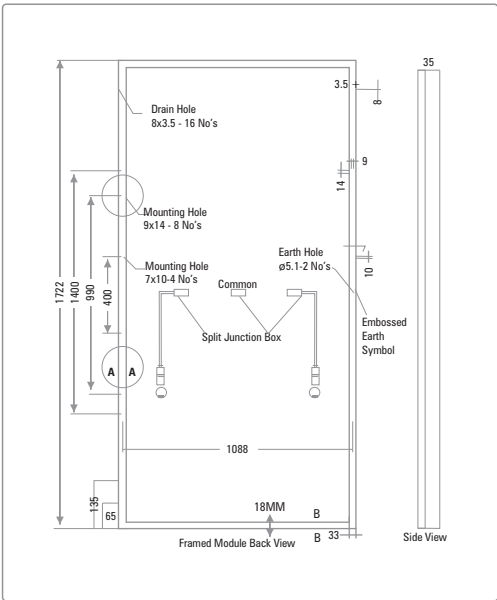
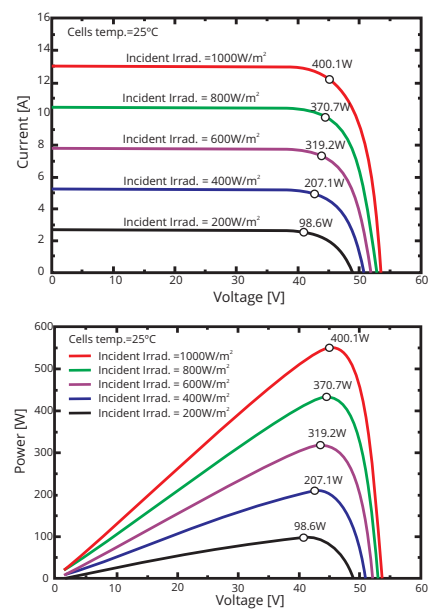
*NOCT- Irradiance 800 W/m2, AM 1.5, Ambient Temperature 20°C and Wind Speed 1m/s

* No Negative Power Tolerance in Nominal Power

Test Uncertainty: ±3%

Temperature Characteristics

Pmax Temperature Coefficient Up to	-0.35%/°C
Voc Temperature Coefficient Up to	-0.3%/°C
Isc Temperature Coefficient	0.06%/°C
Operating Tempertaurure	-40°C To + 85°C
Nominal Operating Cell Temperature	45 ± 2° C



FIRST YEAR
DEGRADATION
< 2.0%

YEAR 2-25 POWER
DEGRADATION
< 0.55%

Mechanical Specifications

External Dimensions	1722(±2mm) x 1134 (±2mm) x 35(±1mm)
Weight	21±3% Kg
Solar Cells	Mono PERC-Crystalline 91mm x 182mm
Front Glass	3.2 mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy (Silver/Black)
Junction Box	3 Split, IP 68 Rated
Connector	Mc4 Compatible
Mechanical Load	5400 Pa For Snow Load, 2400 Pa Wind Load
Output Cable	4.0 mm2 400 mm Length

Frame Profile 35x33 (Long) & 35x18 (Short)

Packing Configuration

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	26
Pieces per Container	806