

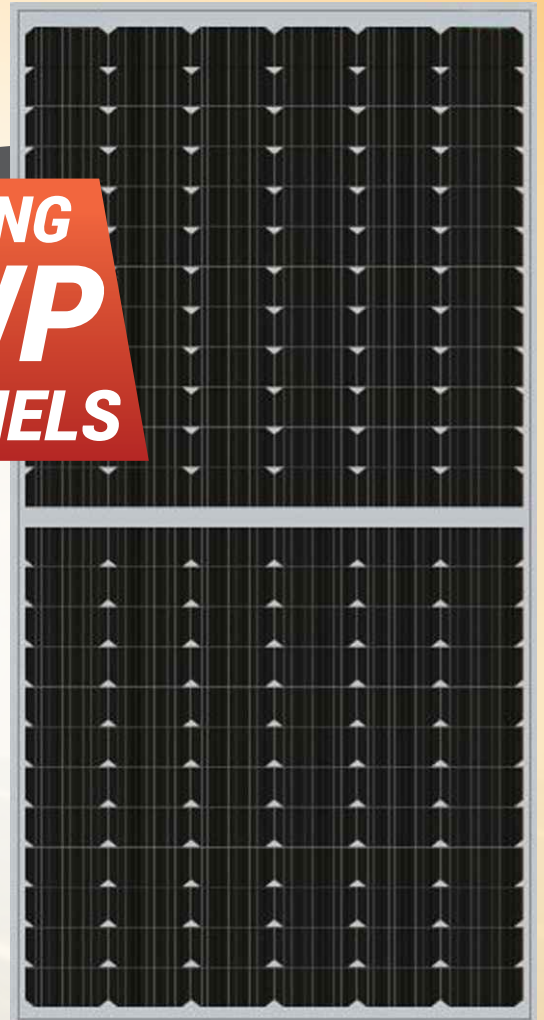


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550 WP
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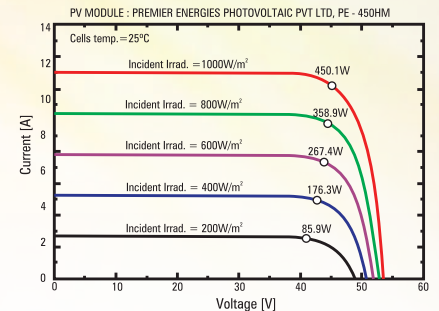
ABHISHEK SOLAR INDUSTRIES PVT. LTD.

SOLAR PV MODULE - 132 HALF CUT MONO PERC CELL RANGE : 455 - 495 WP

ELECTRICAL CHARACTERISTICS (STC)

Module Type	AS455 M132	AS460 M132	AS465 M132	AS470 M132	AS475 M132	AS480 M132	AS485 M132	AS490 M132	AS495 M132
Maximum Power (Pmax)	455	460	465	470	475	480	485	490	495
Maximum Voltage (Vmp)	37.64	37.71	37.77	37.83	37.88	37.94	38	38.05	38.11
Maximum Current (Imp)	12.1	12.2	12.32	12.43	12.54	12.66	12.77	12.88	12.99
Open Circuit Voltage (Voc)	44.72	44.77	44.82	44.86	44.9	44.94	44.98	45.02	45.06
Open Circuit Current (Isc)	12.89	12.99	13.02	13.2	13.31	13.43	13.54	13.64	13.74
Module Efficiency (%)	19.18	19.37	19.6	19.8	20	20.23	20.44	20.64	20.85

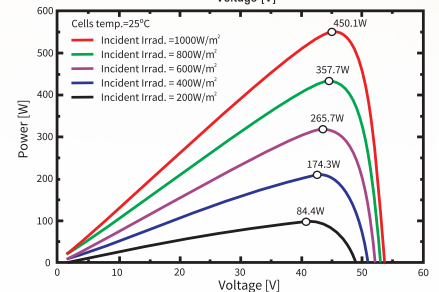
STC : Irradiance 1000W/m², 25°C Cell Temperature and AM 1.5



ELECTRICAL CHARACTERISTICS (NOCT)

Module Type	AS455 M132	AS460 M132	AS465 M132	AS470 M132	AS475 M132	AS480 M132	AS485 M132	AS490 M132	AS495 M132
Maximum Power (Pmax)	332	336	340	343	347	351	355	359	363
Maximum Voltage (Vmp)	34.24	34.31	34.39	34.43	34.51	34.62	34.7	34.8	34.9
Maximum Current (Imp)	9.72	9.81	9.89	9.97	10.06	10.15	10.24	10.33	10.42
Open Circuit Voltage (Voc)	41.95	42	42.05	42.1	42.18	42.24	42.3	42.35	42.4
Open Circuit Current (Isc)	10.21	10.31	10.39	10.46	10.55	10.64	10.73	10.82	10.9
Module Efficiency (%)	13.98	14.15	14.32	14.44	14.61	14.78	14.95	15.12	15.29

NOCT : Irradiance 800W/m², Ambient Temperature 20°C and Wind Speed 1m/s

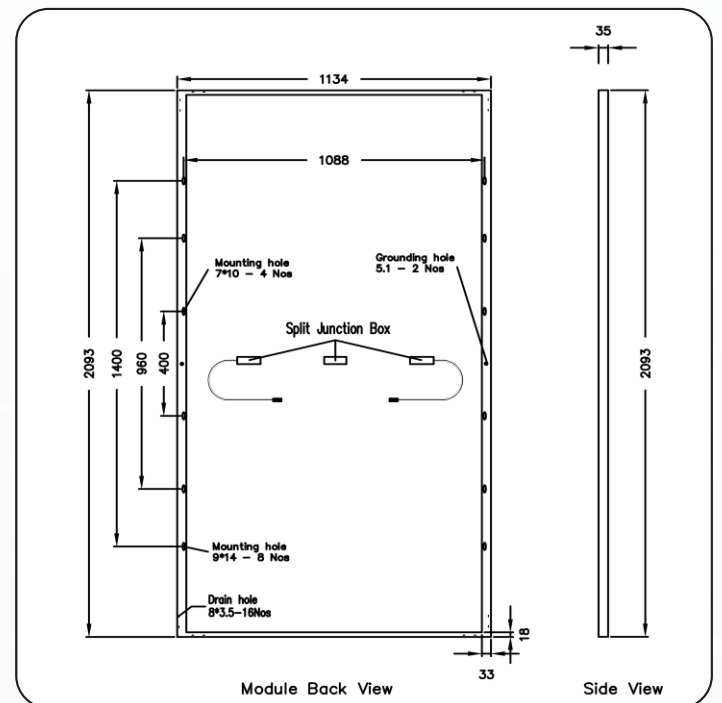


MODULE MECHANICAL DATA

Module Dimensions	2093mm(L) X 1134mm(W) X 35mm(H)
Weight	27 Kg
Solar Cell Type	Mono Perc - 91mm X 182mm
Front glass	3.2mm, Low Iron, High Transmission, Tempered Glass, ARC Coated
Frame	Anodized aluminium Frame
Junction Box	IP 68 Split Jbncion Box
Cable	500 mm Length cable, 4mm ²
Connector	Mc4 Compatible

TEMPERATURE CHARACTERISTICS

Current-temperature coefficient at short circuit, %/°C:	0.05
Voltage-temperature coefficient at open circuit, %/°C:	-0.31
Power-temperature coefficient at maximum power, %/°C:	-0.35
Nominal operating cell temperature (NOCT), °C:	45±2°C
Maximum Series Fuse Ratings	25A
Temperature Range	-40°C to 85°C
Maximum System Voltage	1500



10 YEARS PRODUCT WARRANTY

25 YEARS WARRANTY FOR LINEAR OUTPUT