



**Emmvee** is an intelligent solar solutions producer

### Do you want to generate electricity from reflective light as well?

Emmvee's Bifacial PV modules have the unique from both sides of the panels optimizing and aligning set-ups.

## **FEATURES**



HIGHER LIFETIME







**AESTHETICALLY** SOUND DESIGN



SAVING BOS





# SPECIFICATION (60 CELL BI-FACIAL) [SUNNY SIDE DATA]

### Electrical data at 1000 W/m², 25°C and A.M. 1.5 (STC in accordance with IEC 60904-3)

MODEL NAME	ESBI295	ESBI300	ESBI305	ESBI310
RATED POWER AT STC <sup>1</sup>	295 Wp	300 Wp	305 Wp	310 Wp
MODULE EFFICIENCY AT STC <sup>2</sup>	17.87%	18.18%	18.48%	18.78%
OPEN CIRCUIT VOLTAGE (Voc)	39.70 V	39.90 V	40.10 V	40.30 V
SHORT CIRCUIT CURRENT (Isc)	9.62 A	9.72 A	9.82 A	9.92 A
MAX POWER VOLTAGE (Vpm)	32.70V	32.90 V	33.10 V	33.30 V
MAX POWER CURRENT (lpm)	9.01 A	9.11 A	9.21 A	9.30 A

#### Thermal data

TEMPERATURE COEFFICIENT OPEN CIRCUIT VOLTAGE	-0.29% /°K
TEMPERATURE COEFFICIENT SHORT CIRCUIT CURRENT	+0.05% /°K
TEMPERATURE COEFFICIENT RATED POWER	-0.39% /°K
NOCT (NORMAL OPERATING CELL TEMPERATURE)	44°C ± 2°C

#### Mechanical data

NUMBER OF CELLS & CELL TYPE	60 BI-FACIAL SOLAR CELLS (156.75 mm X 156.75 mm)
DIMENSIONS (LENGTH X WIDTH X HEIGHT)	1673 mm X 989 mm X 6 mm
WEIGHT	25 Kg
FRONT GLASS	2.5mm HIGH TRANSMISSION, TEMPERED GLASS x 2 NOs
EMBEDDING	POE
JUNCTION BOX	IP67
NUMBER OF BYPASS DIODES	3
CABLES	4 mm² SOLAR CABLES
CONNECTORS	MC4 COMPATIBLE

#### Possible operating conditions

1	OPERATING TEMPERATURE RANGE	-40°C TO 85°C
	MAX. SYSTEM VOLTAGE	1000V DC
4	MAX. REVERSE CURRENT	15 A
1	MAX. SURFACE LOAD CAPACITY	5400 Pa
	PROTECTION CLASS	















#### EMMVEE PHOTOVOLTAIC POWER PRIVATE LIMITED

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