



YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992

A METHODOICAL SOLAR SOLUTION

PUTS AN END TO ALL POWER DISRUPTIONS!

EMMVEE AC SOLAR MODULE



Emmvee is an intelligent solar solutions producer born from an idea to implement green energy to better use. We aim at providing universally designed products to support all kinds of contemporary and sustainable living. Amidst our industrial product range, Photovoltaics and Solar Water Heating Systems are our strongest since inception in 1992.

Isn't interrupted power a major source of dissatisfaction?

House of Emmvee introduces AC Solar Module with an inbuilt inverter to eliminate interrupted power at your homes. These modules convert the DC power output to AC power. The micro-inverters replace the need for the single, centralised inverter currently used in DC solar electric systems. Instead of connecting solar modules to a standalone inverter, opt for our reliable and integrated AC Solar Modules which are known for their highly efficient performance and standard of quality.

BENEFITS & FEATURES



EASY INSTALLATION
ON CHALLENGING
SURFACES



25 YEARS WARRANTY
ON MODULE AND 10 YEARS
ON AN INVERTER



SYSTEM RELIABILITY
ENHANCED THROUGH
REDUNDANCY



AC ARRAYS ARE LESS
SUSCEPTIBLE TO DAMAGE FROM
NEARBY LIGHTNING STRIKES



SAFE SYSTEM, BECAUSE IT
HANDLES LOW VOLTAGE
AT THE MODULE LEVEL



PROPRIETARY BURST TECHNOLOGY*
TO PRODUCE MORE ENERGY
DURING DAWN, DUSK AND LOW
LIGHT CONDITIONS



IDEAL FOR HOMES, HOSPITALS,
SCHOOLS AND OFFICES WHERE
SAFETY IS OF PARAMOUNT
IMPORTANCE



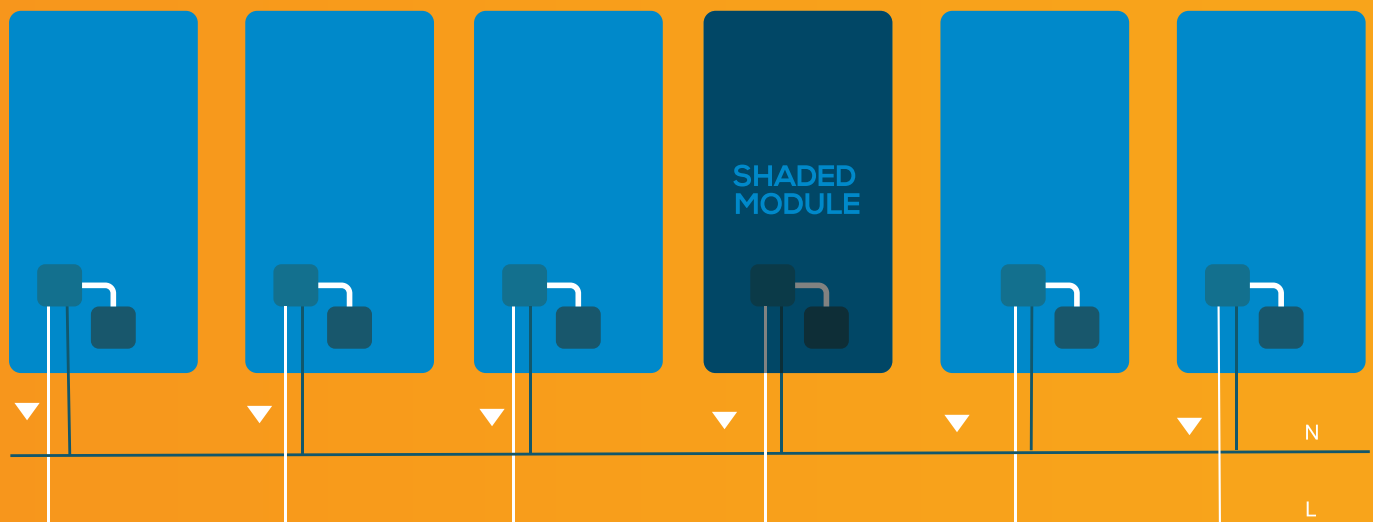
EASILY SCALABLE TO MEET
GROWING NEEDS – JUST PLUG IN
MORE MODULES



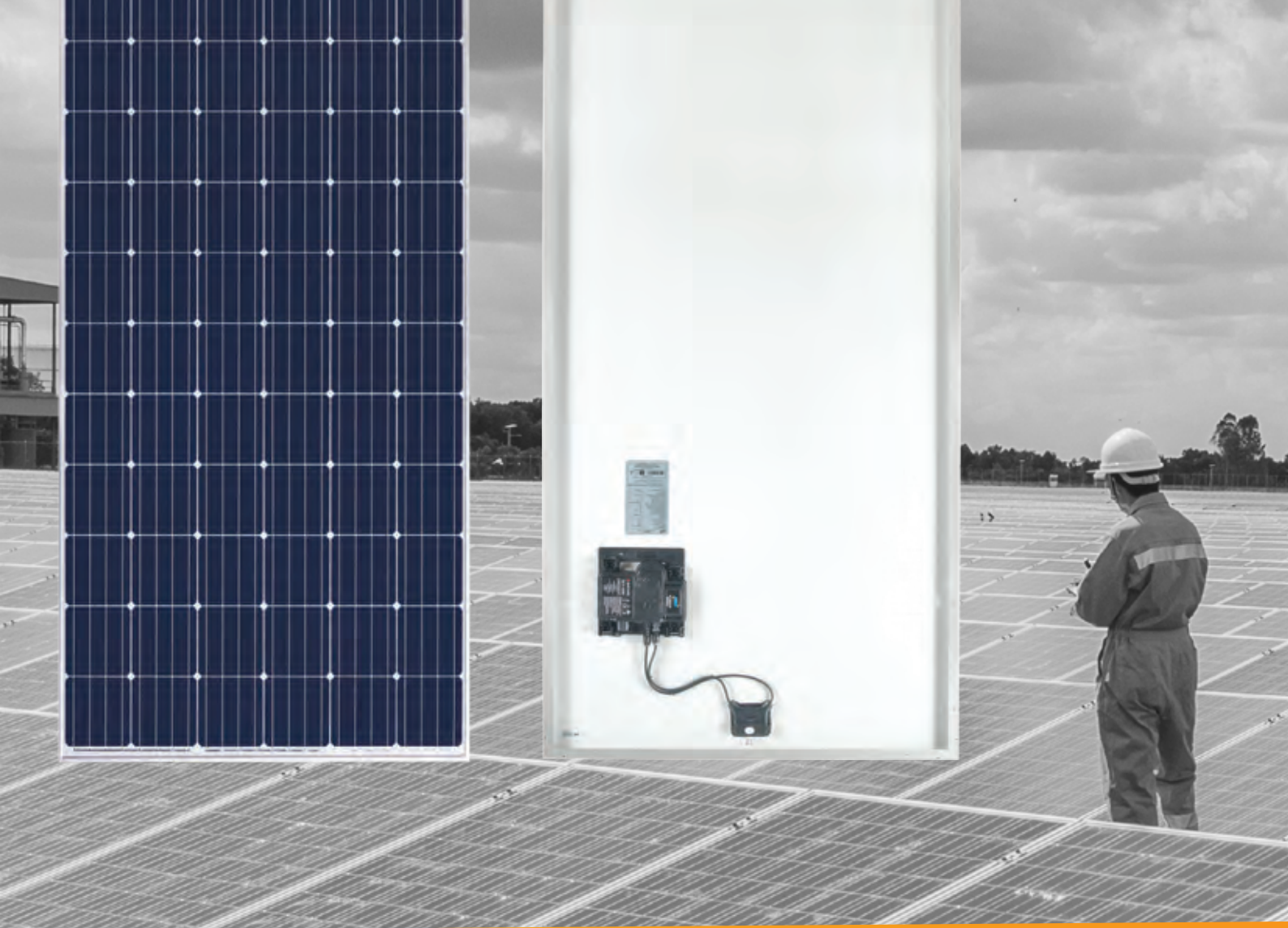
CONNECTED TO A SCADA SYSTEM
TO MONITOR EACH MODULE'S
PERFORMANCE

STABLE POWER GENERATION

Since each AC module operates independently, the performance of the modules will not be affected by the modules that are in the shade. This enables efficiency in harvesting more energy per KW of sunshine.



The performance remain unaffected by the shaded module's performance



SPECIFICATION

DC Characteristics

	ESP300AC			ESM300AC		
	325 Wp	330 Wp	335 Wp	375 Wp	380 Wp	385 Wp
MAX. POWER*	325 Wp	330 Wp	335 Wp	375 Wp	380 Wp	385 Wp
OPEN CIRCUIT VOLTAGE (V _{oc})	45.8 V	45.9 V	46 V	48.5 V	48.7 V	48.9 V
CURRENT AT MPP (I _m)	8.68 A	8.76 A	8.86 A	9.37 A	9.45 A	9.55 A
VOLTAGE AT MPP (V _m)	37.4 V	37.7 V	37.8 V	40 V	40.2 V	40.32 V
SHORT CIRCUIT CURRENT (I _{sc})	9.11 A	9.2 A	9.31 A	9.88 A	9.96 A	10.06 A
NO. OF CELLS	72			72		
TYPE OF CELLS	MULTICRYSTALLINE			MONO PERC		

AC Characteristics (Output)

PEAK OUTPUT POWER	295 VA
NOMINAL VOLTAGE/RANGE	230/184-276 V
NOMINAL FREQUENCY/RANGE	50 Hz
MAX. CONTINUOUS OUTPUT POWER	290 VA
MAX. CONTINUOUS OUTPUT CURRENT	1.26 A
POWER FACTOR (ADJUSTABLE)	0.7 LEADING ... 0.7 LAGGING
EXTENDED FREQUENCY RANGE	45-55 Hz
OVER-VOLTAGE CLASS AC PORT	III
AC PORT BACK FEE CURRENT	0 A
MAX. UNITS PER 20 A (L-N) BRANCH CIRCUIT	13 (230 Vac)

Mechanical Data

MODULE WEIGHT	22 Kg
AMBIENT TEMPERATURE RANGE	-40°C TO +65°C

*STC



EMMVEE PHOTOVOLTAIC POWER PRIVATE LIMITED

Corporate Office: No. 13/1, International Airport Road, Bettahalasur Post, Bengaluru - 562157, India

Phone: +91 80 2217 4328, +91 80 2217 4333 | info@emmvee.in | www.emmvee.com

(An ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company)