



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



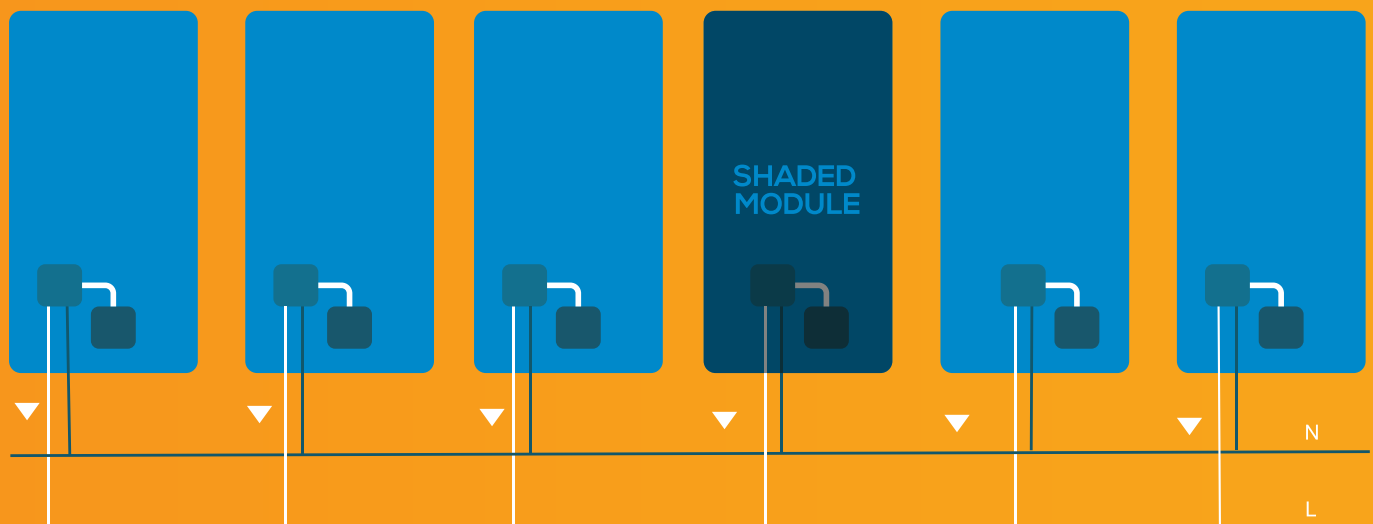
EASILY SCALABLE TO MEET GROWING NEEDS – JUST PLUG IN MORE MODULES



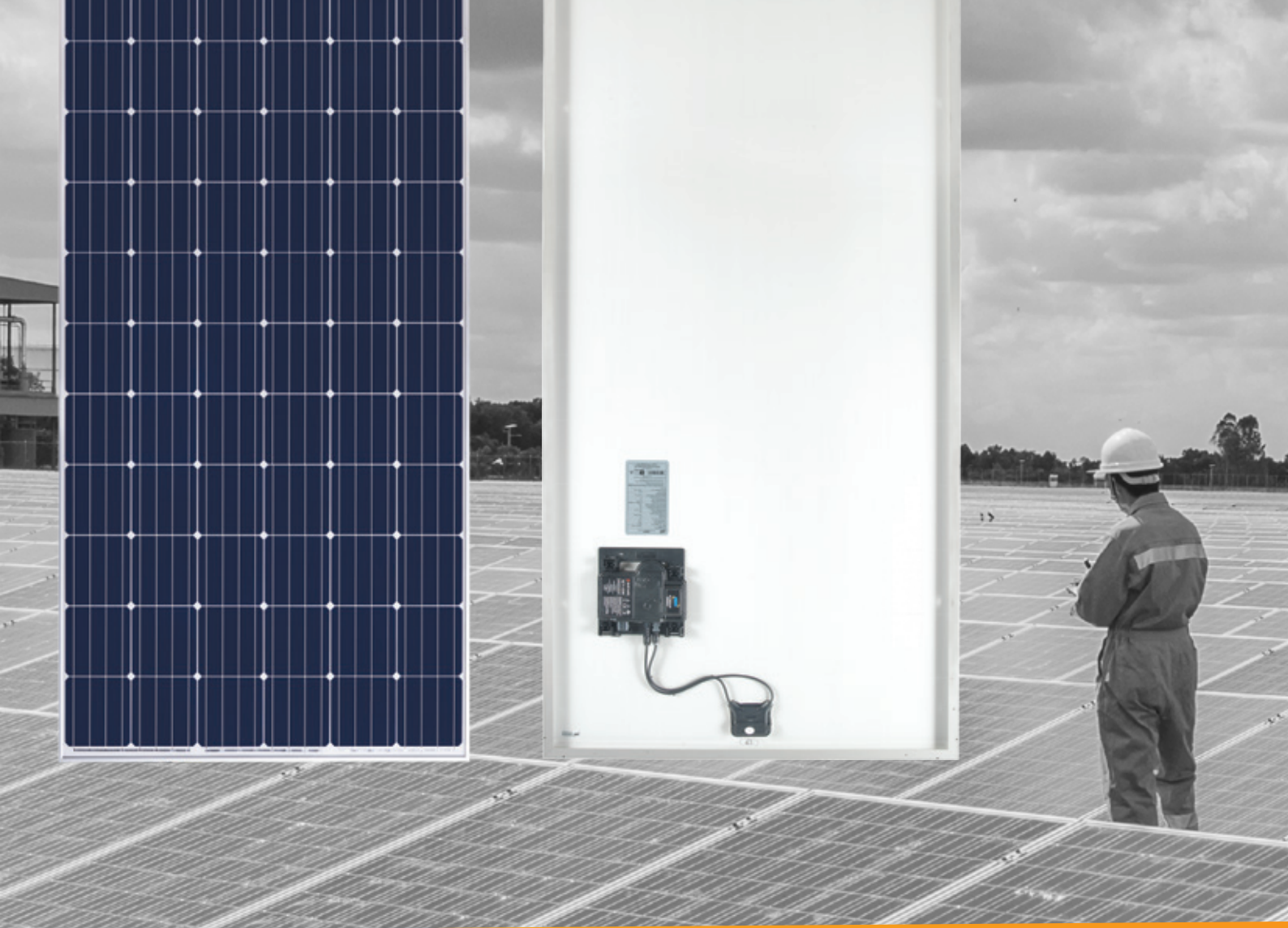
CONNECTED TO A SCADA SYSTEM TO MONITOR EACH MODULE'S PERFORMANCE

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 (Voc)	45.8 V	45.9 V	46 V	48.5 V	48.7 V	48.9 V
CURRENT AT MPP (Im)	8.68 A	8.76 A	8.86 A	9.37 A	9.45 A	9.55 A
VOLTAGE AT MPP (Vm)	37.4 V	37.7 V	37.8 V	40 V	40.2 V	40.32 V
SHORT CIRCUIT CURRENT (Isc)	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



IEC 61215
IEC 61730
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MANAGEMENT SYSTEM CERTIFICATION
ISO 9001-ISO 14001
OHSAS 18001



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