

KEY FEATURES



Excellent module efficiency up to: 21.20%



IP68 junction box for long-term weather endurance



Heavy snow loading up to 5400 Pa, wind loading up to 2400 Pa



PID: selected material and stringent quality system ensure PID free



Applicable to harsh environment of deserts, farmlands and seashores



Much lower risk of Hot Spot

CERTIFICATE



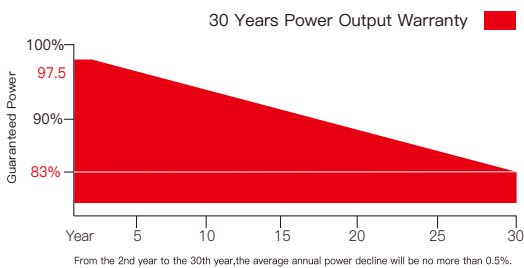
WARRANTY



Linear power output warranty
-12 years minimum 92% power output
-30 years minimum 83% power output

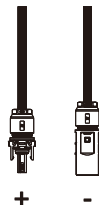
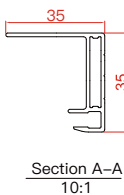
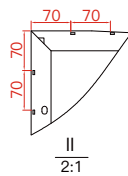
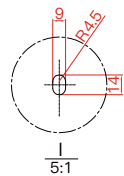
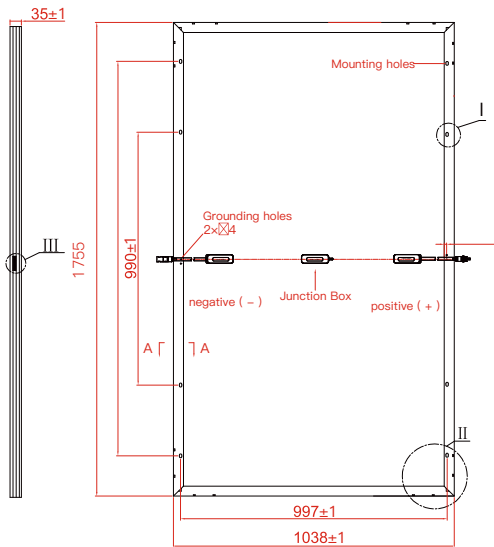
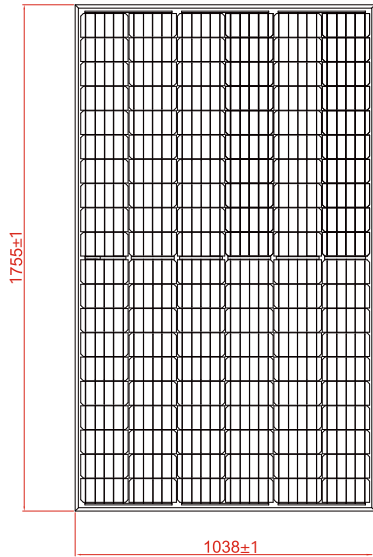


Product warranty on materials and workmanship
According to the applicable Einnova Solarline Limited Warranty Statement

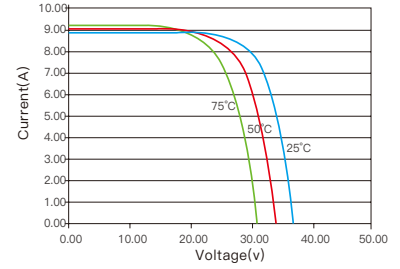
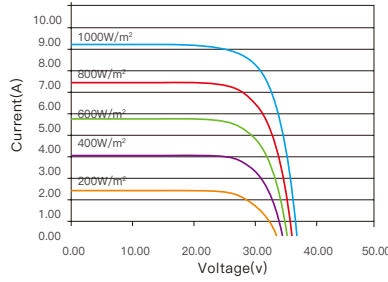


Einnova Solarline

invented for solar



IV CURVE



ELECTRICAL SPECIFICATION	Unit	ESM-365H	ESM-370H	ESM-375H	ESM-380H	ESM-385H
Maximum Power (Pmax)	W	365	370	375	380	385
Module Efficiency	%	20.00	20.30	20.60	20.90	21.20
Open Circuit Voltage (Voc)	V	40.70	40.90	41.10	41.30	41.40
Short Circuit Current (Isc)	A	11.43	11.52	11.60	11.69	11.77
Maximum Power Voltage (Vmp)	V	34.20	34.40	34.60	34.80	35.00
Maximum Power Current (Imp)	A	10.68	10.76	10.84	10.92	11.00
Maximum System Voltage	V	ICE 1500VDC				

STC: Irradiance:1000W/m², Module Temperature:25°C, Air Mass:1.5

ELECTRICAL DATA@NOCT	ESM-365H	ESM-370H	ESM-375H	ESM-380H	ESM-385H
Pmax [W]	272.6	276.3	280.0	283.8	287.30
Vmp[V]	31.8	32.0	32.2	32.4	32.3
Imp[A]	8.56	8.63	8.69	8.76	8.89
Voc[V]	38.2	38.3	38.5	38.7	38.9
Isc[A]	9.25	9.32	9.38	9.45	9.52

NOCT: Irradiance:800W/m², Ambient Temperature:20°C, Air Mas:1.5, Wind Speed:1m/s

MECHANICAL SPECIFICATIONS	
Solar Cell Type	Half Cut Mono Crystalline 166*166mm
Number of Cells	120pcs (20x6)
Module Size	1755*1038*35mm
Weight	20.5kg
Glass	3.2mm tempered glass
Back Sheet	White or Black
Frame	Anodized aluminium alloy, silver or black
Junction Box	IP68, three diodes
Quantity of Diodes	3pcs
Cable	4.0mm ² 1000mm
Connector	MC4 Compatible
Wind/Snow Load	2400pa/5400pa

TEMPERATURE CHARACTERISTIC	
NMOT (Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of P _{MAX}	- 0.36%/°C
Temperature Coefficient of U _{OC}	- 0.26%/°C
Temperature Coefficient of I _{SC}	0.04%/°C

PACKAGING CONFIGURATION	
Modules per box:	30 pieces
Number per 20'GP:	270 pieces
Modules per 40' HQ:	780 pieces

MAXIMUM RATINGS	
Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	20A
Protection Class	Class II
Snow Loading	5400 Pa
Wind Loading	2400 Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

*design load with safety factor 1.5
(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)