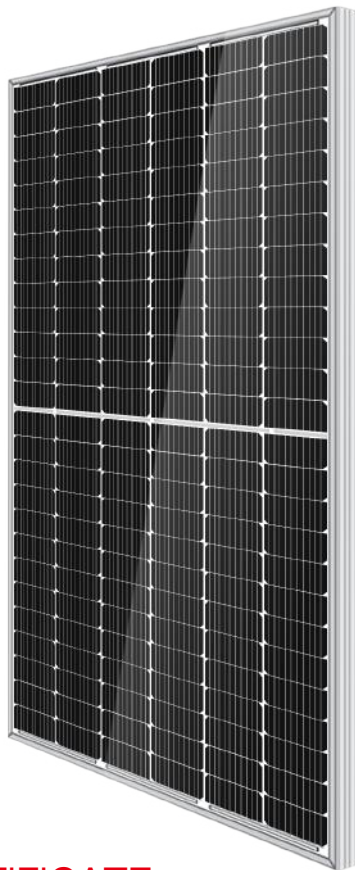


# Einnova Solarline

*invented for solar*

## PERC Half Cut Mono Crystalline Solar Module ESM 585/590/595/600/605S



### KEY FEATURES



Excellent module efficiency up to: 21.84%



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

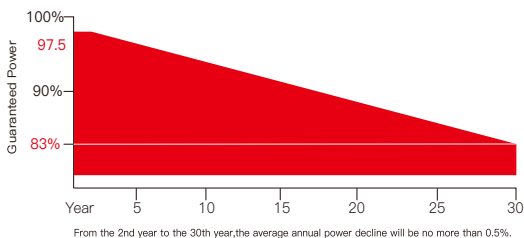


Much lower risk of Hot Spot

### CERTIFICATE



30 Years Power Output Warranty



### WARRANTY



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



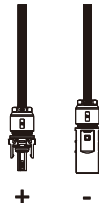
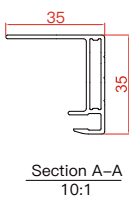
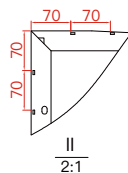
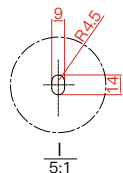
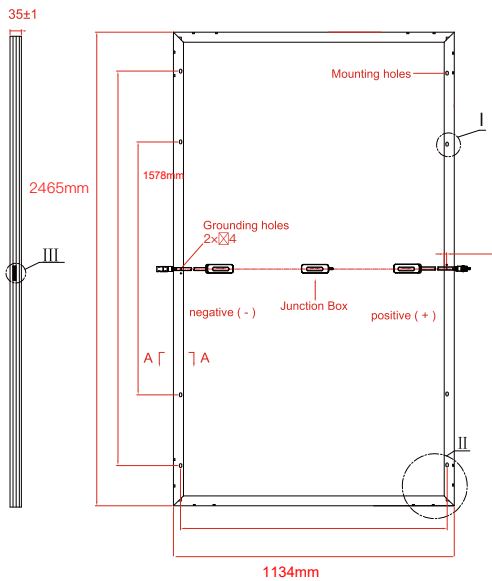
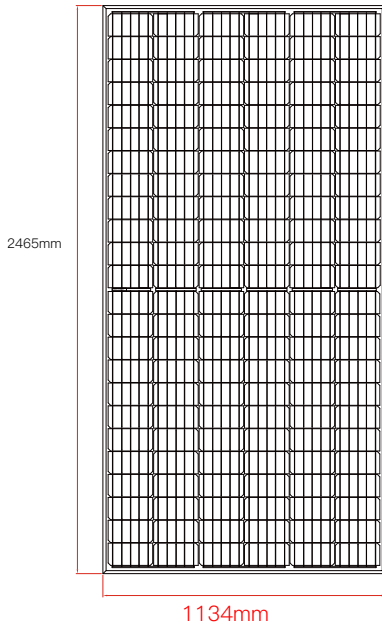
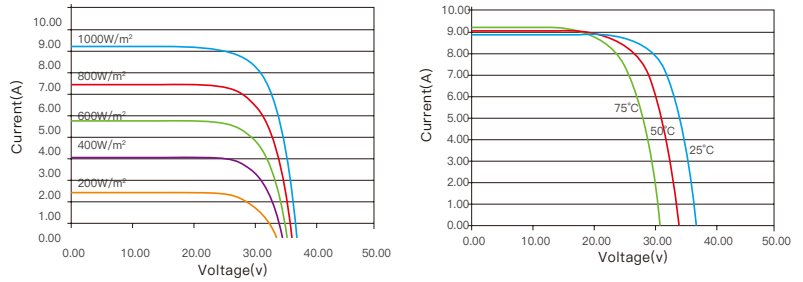
Product warranty on materials and workmanship  
According to the applicable Einnova Solarline Limited Warranty Statement



# Einnova Solarline

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## IV CURVE



ELECTRICAL SPECIFICATION	Unit	ESM-585S	ESM-590S	ESM-595S	ESM-600S	ESM-605S
Maximum Power (Pmax)	W	585	590	595	600	605
Module Efficiency	%	21.12	21.3	21.48	21.66	21.84
Open Circuit Voltage (Voc)	V	53.50	53.70	53.90	54.10	54.30
Short Circuit Current (Isc)	A	13.87	13.94	14.01	14.08	14.15
Maximum Power Voltage (Vmp)	V	44.60	44.80	45.00	45.20	45.40
Maximum Power Current (Imp)	A	13.12	13.17	13.22	13.27	13.32
Maximum System Voltage	V	ICE 1500VDC				

STC:Irradiance:1000W/m<sup>2</sup>,Module Temperature:25°C,Air Mass:1.5

ELECTRICAL DATA@NOCT	ESM-585S	ESM-590S	ESM-595S	ESM-600S	ESM-605S
Pmax[W]	431	435	438	442	446
Vmp[V]	37.84	41.80	42.00	42.20	42.39
Imp [A]	10.39	10.41	10.45	10.50	10.54
Voc[V]	50.00	50.20	50.40	50.60	50.80
Isc[A]	11.18	11.23	11.28	11.33	11.38

NOCT:Irradiance:800W/m<sup>2</sup>, Ambient Temperature:20°C,Air Mass:1.5,Wind Speed:1m/s

MECHANICAL SPECIFICATIONS	
Solar Cell Type	Mono Crystalline 182x91mm
Number of Cells	156pcs (26x6)
Module Size	2465x1134x35mm
Weight	31kg
Glass	3.2mm tempered glass
Back Sheet	White or Black
Frame	Anodized aluminium alloy,silver or black
Junction Box	IP68
Quantity of Diodes	3pcs
Cable	4.0mm <sup>2</sup> 1100mm
Connector	MC4 Compatible
Wind/Snow Load	2400pa/5400pa

TEMPERATURE CHARACTERISTIC	
NMOT (Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of P <sub>max</sub>	- 0.36%/°C
Temperature Coefficient of U <sub>oc</sub>	- 0.26%/°C
Temperature Coefficient of I <sub>sc</sub>	0.04%/°C

PACKAGING CONFIGURATION	
Modules per box:	31pcs
Number per 20GP:	186pcs
Modules per 40' HQ:	620pcs

MAXIMUM RATINGS	
Operational Temperature	-40 to +85°C
Maximum System Voltage	1500VDC(IEC)
Max Series Fuse Rating	25A
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)