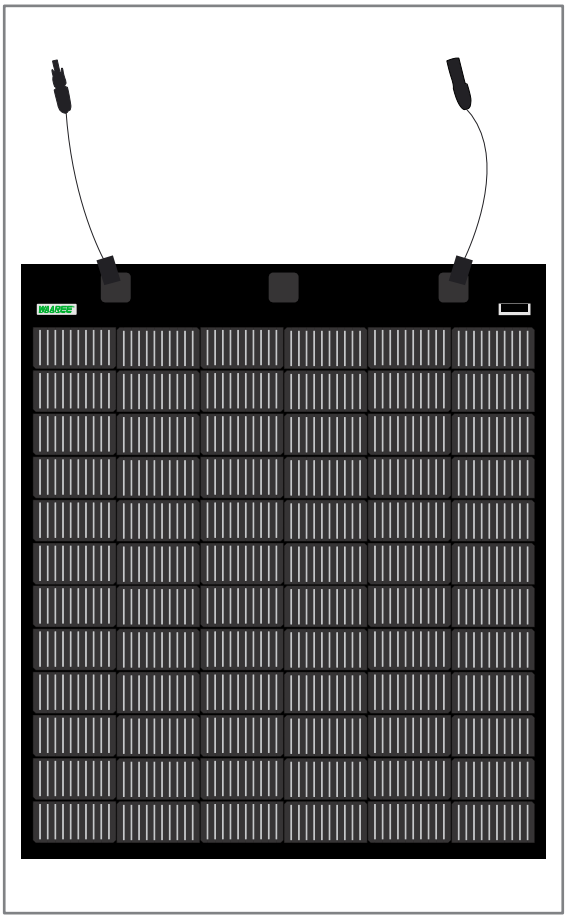
P-TYPE PERC TECHNOLOGY

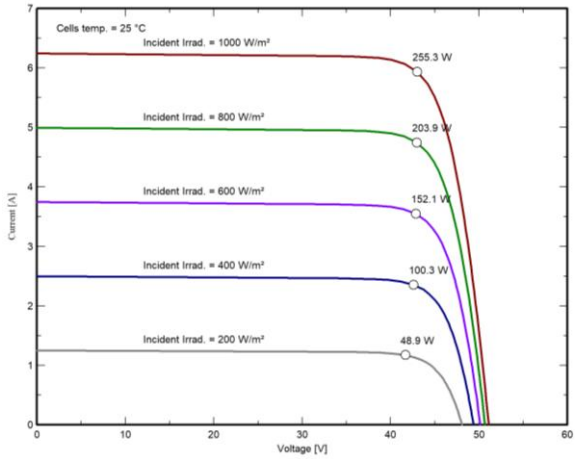
WFLW-245 to WFLW-255
Flexible Module

WAAREE
One with the Sun

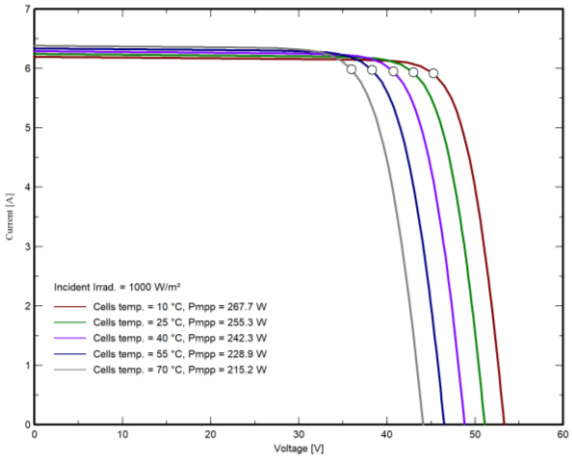
- Ultra Light Weight
- Flexible
- Low Series Resistance
- Easy & Quick to Install
- Easily Mounted with Number of Options
- Low System Installation Cost
- Superior Low Light & Low Sun Angle Performance



I-V VARIATION WITH IRRADIANCE



I-V VARIATION WITH TEMPERATURE



TIER 1 Bloomberg NEW ENERGY FINANCE

ISO 9001:2015 I ISO 14001:2015 I ISO 45001:2018
Independent assessment of factories by BLACK & VEATCH

P-TYPE PERC TECHNOLOGY

WFLW-245 to WFLW-255
Flexible Module

WAAREE®
One with the Sun

ELECTRICAL CHARACTERISTICS

Models	Pmax (W)	Vmp (V)	Imp (A)	Isc (A)	Voc (V)	Active Area Eff. (%)	Module Eff. (%)
WFLW-245	245	42.32	5.79	6.15	49.53	20.52	17.12
WFLW-250	250	42.48	5.90	6.18	49.68	20.99	17.51
WFLW-255	255	42.72	5.97	6.24	49.87	21.36	17.82

*Standard Test Conditions (STC) - 1000 W/m^2 irradiance, Air Mass 1.5 and 25°C cell temperature. Measuring Uncertainty ± 3%.

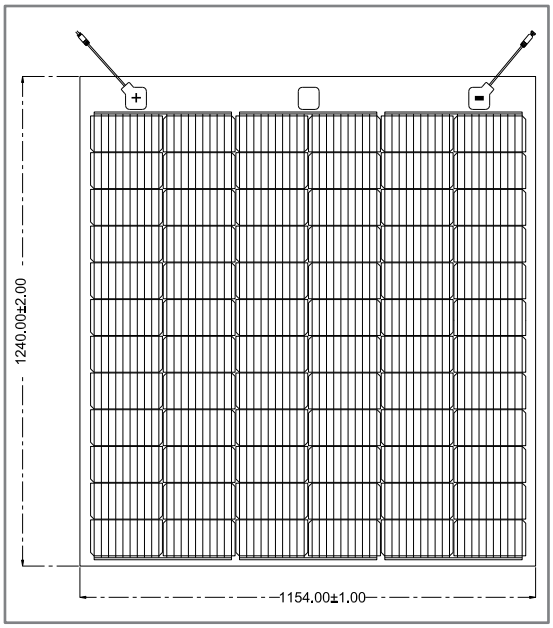
System Voltage	1000 V

Series Fuse Rating	10A

THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α (%/°C)	+ 0.05
Temperature coefficient of Voltage (Voc), ß (%/°C)	- 0.25
Temperature coefficient of Power (Pm), γ (%/°C)	- 0.34
Operating temperature range (°C)	- 40 to 85

DESIGN SPECIFICATIONS



MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	1240 mm (L) x 1154 mm (W) x 3.2mm (T)
Weight	6 ± 0.5 kgs
Solar Cells per Module (Units) / Arrangement	72 cells / (12x6)
Solar Cell Type & Size	M10 P-type Mono PERC
Front Glass (Material / Thickness)	ETEF Polymer
Encapsulate	PID free & UV Resistant
Junction Box (Protection degree)	IP65 or above
Cable cross - section	4 mm^2

5 Years Product Warranty* • 15 Years Power Output Warranty*

*For Non-Roofing 2 Years of workmanship and 5 Years on Power output • For roofing 5 Years of workmanship and 15 Years on Power Output

- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.
- Refer installation Manual instructions & Waaree warranty statement for terms & conditions.
- Waaree Reserves the right to change the specifications without prior notice.

WEI/E&PD/WFLW-245-255/72-HC/00/10.09.2025