

MEP390-P72-GB

MonoPERC-72cell-M2 Monofacial

0~+5W

Positive Power Tolerance

20.1%

Maximum Efficiency

⚡ 360-390W



Optimum Value

1500V system voltage results in lower BOS cost, good for large scale installations



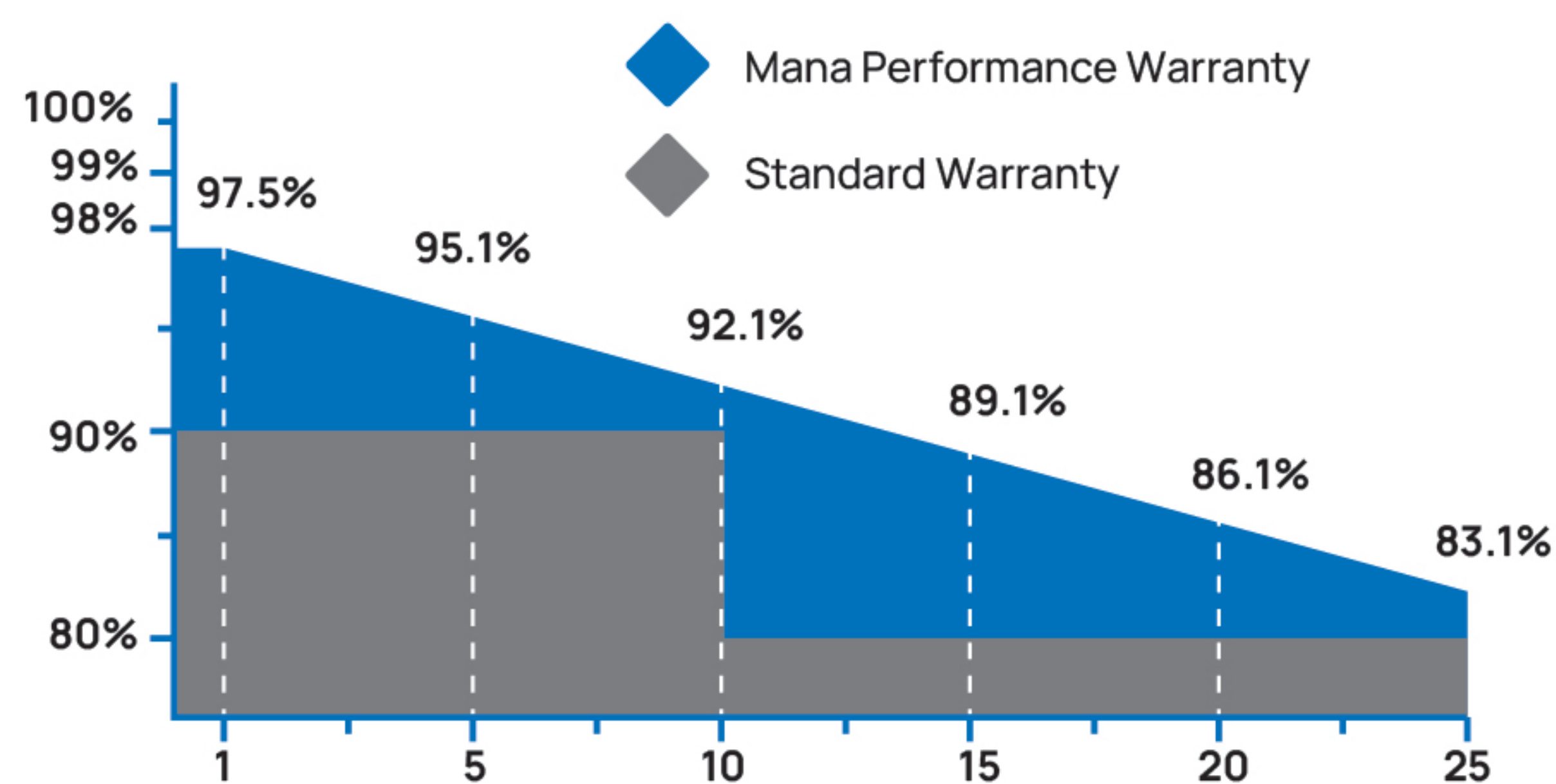
Higher Reliability

In-house testing beyond standard requirements
100% EL double inspection



Robust and Corrosion Free

2400Pa wind load - 5400Pa snow load
25mm Hail stone at 82 km/h



Mana Energy's Certificates

TUV Certificate IEC 61215: 2021
TUV Certificate IEC 61730: 2016
TUV Certificate IEC 61730: 2023
CE Certification (EN 61730:2018)
UKCA Certification (EN 61730:2018)
CEBEC Certification (IEC 61215: 2021 / IEC 61730: 2023)
ISO 9001:2015: Quality management system
ISO 14001:2015: Environmental management system
ISO 45001:2018: Occupational health and safety management system



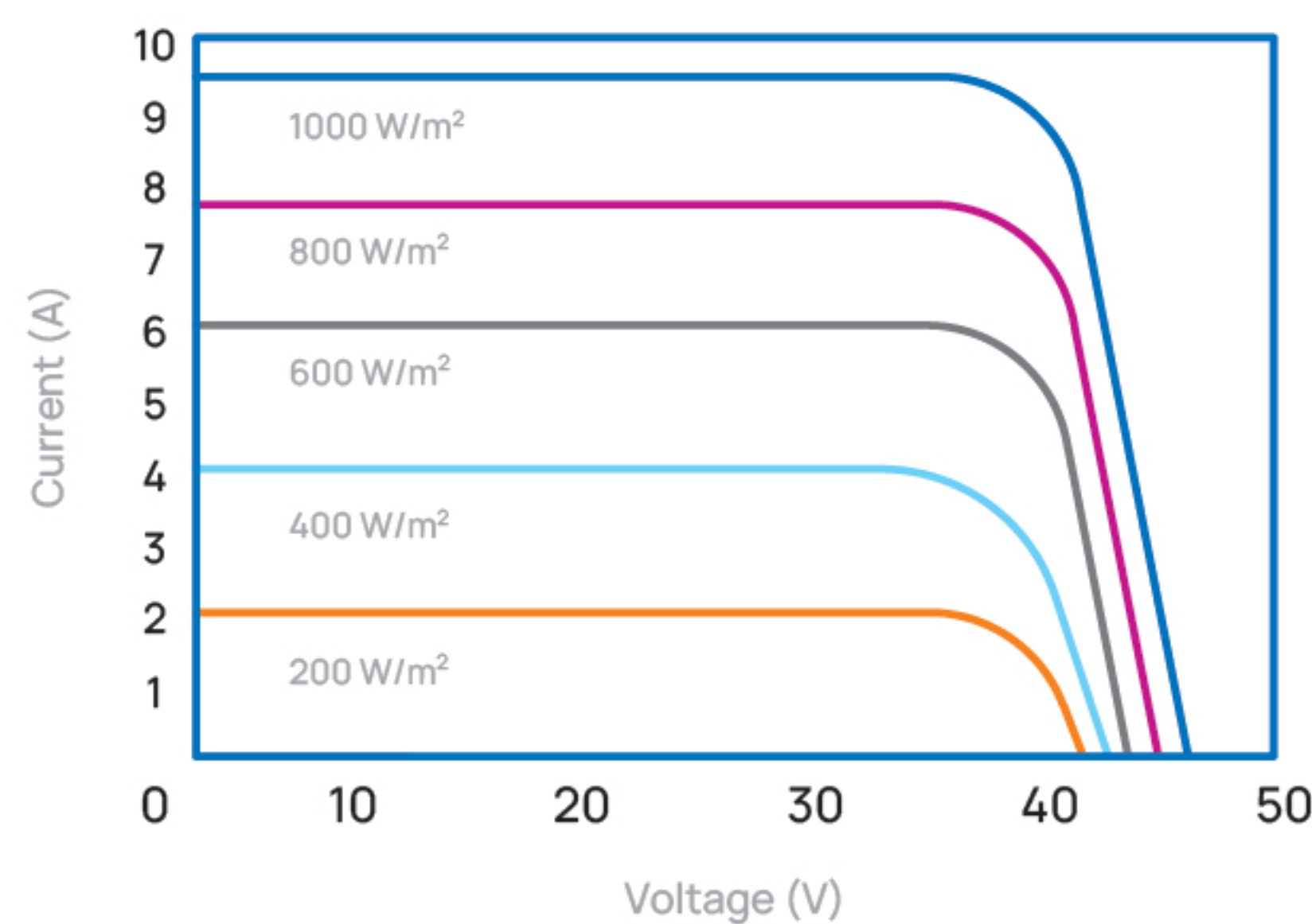
25
YEARS

Performance
Warranty

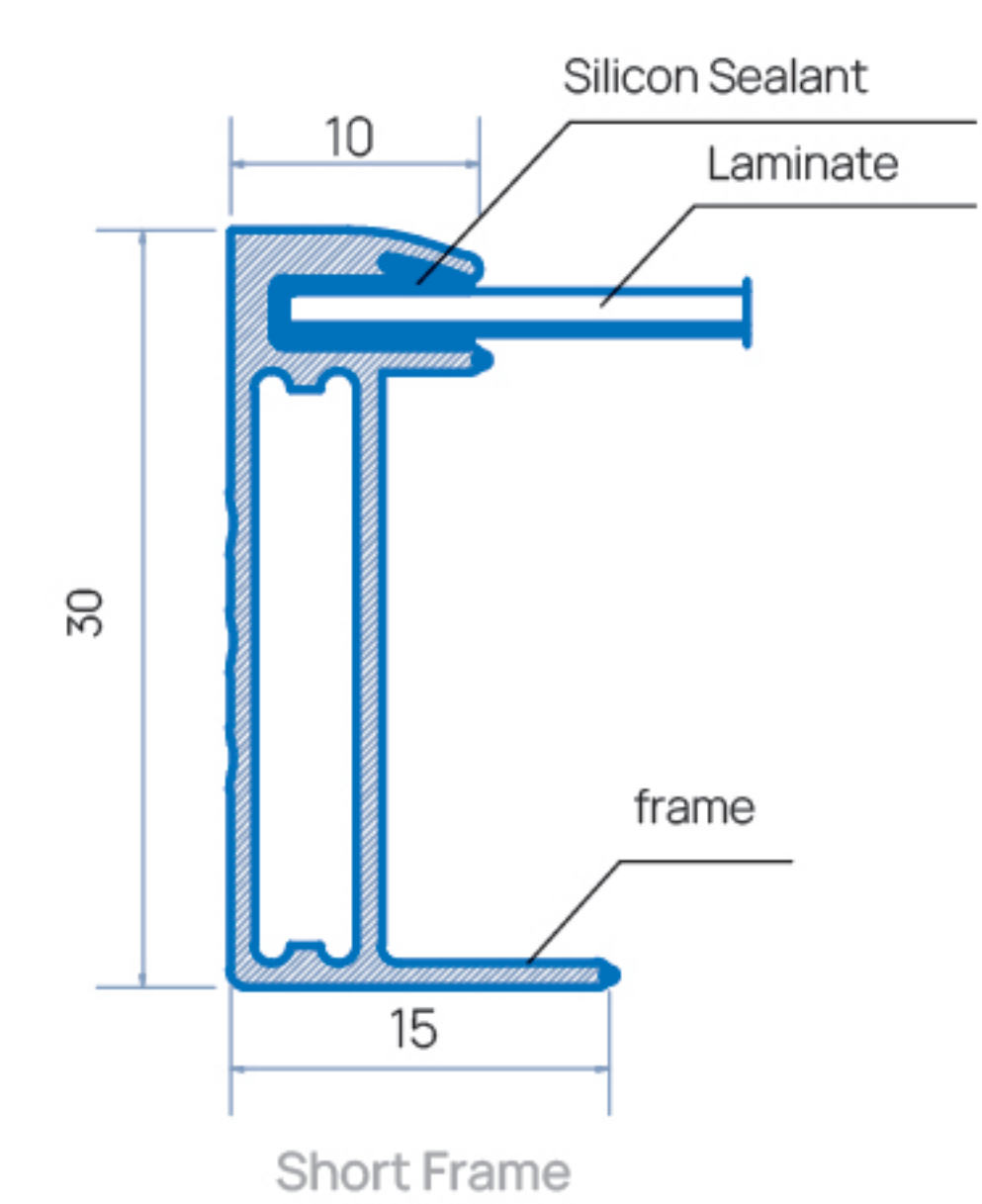
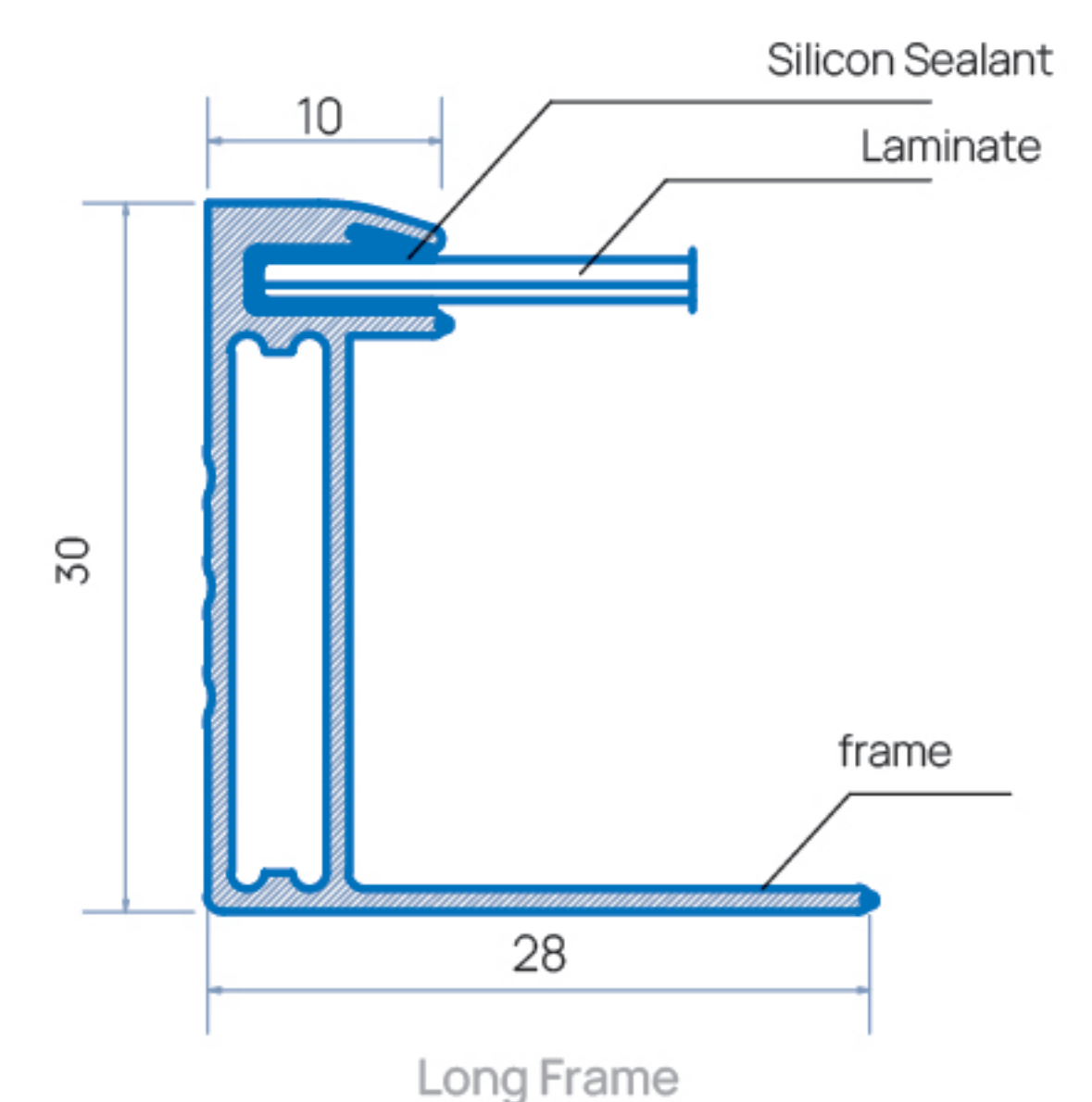
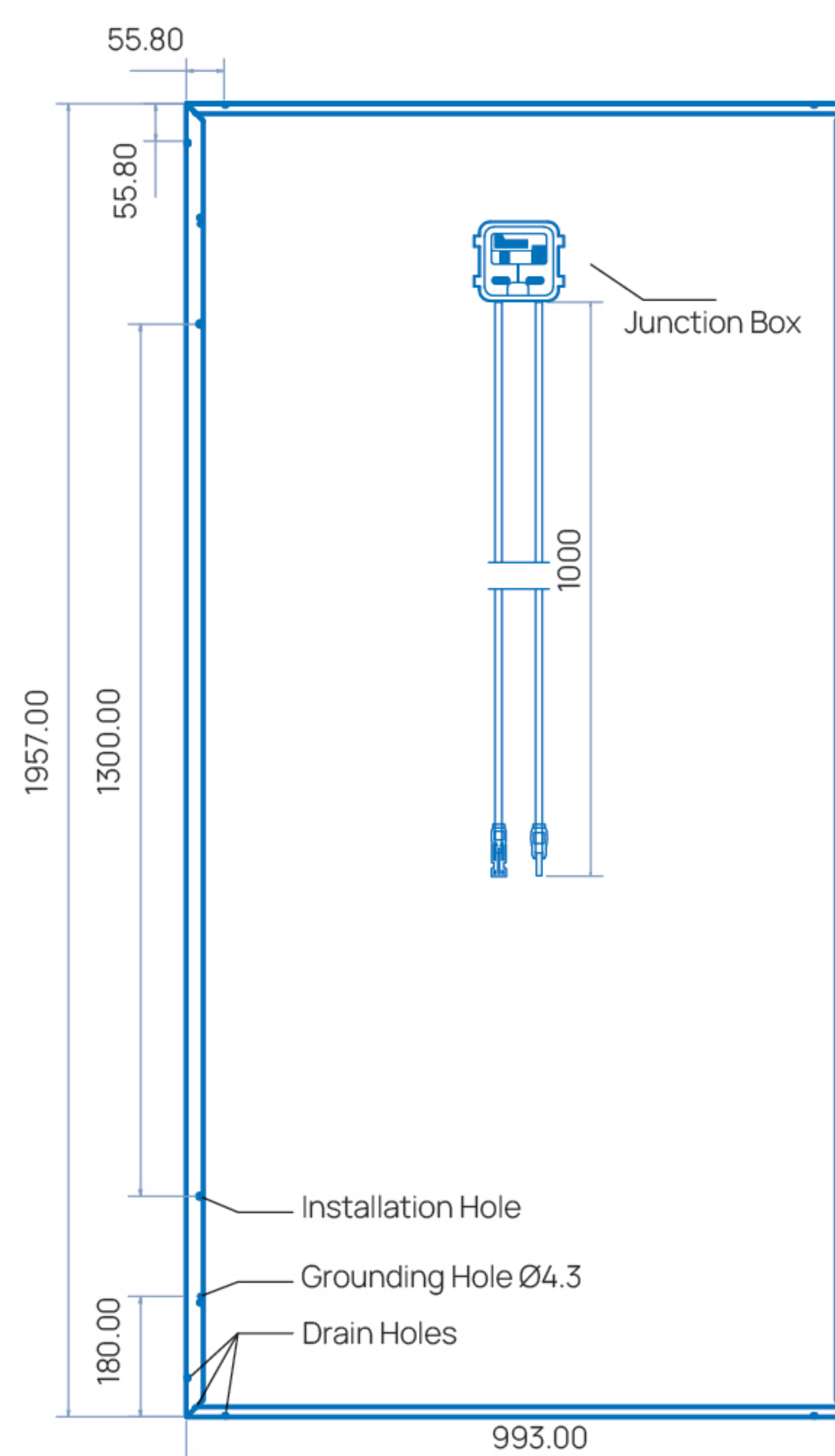
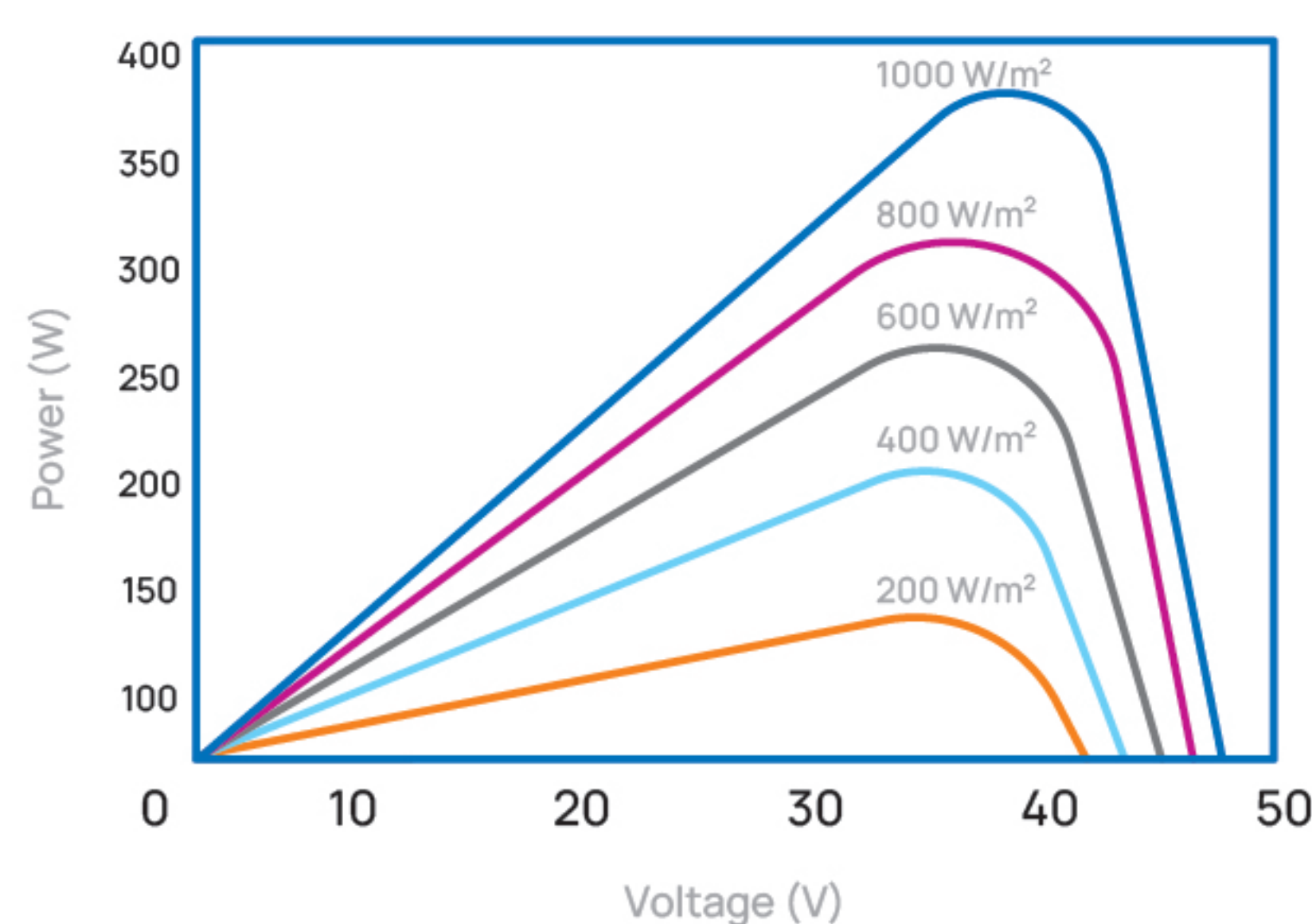
10
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Product
Warranty

Current-Voltage Curve 390W



Power-Voltage Curve 390W



Caution

To operate, install and manage Mana Energy Modules, read the installation manual and use carefully.

Observation

This datasheet is subject to change without notice due to continuous improvement of our products. You can find all records of the updates on our website www.manaenergypak.com or by contacting one of our sales staff. Allrights reserved @Mana Energy.

MEP390-P72-GB

Electrical Specificatuin (STC) - Front Side			STC: AM1.5 1000W/m² 25°C [Test Uncertainty: ±3%]						
Model			MEP390-M72-GB 360	MEP390-M72-GB 365	MEP390-M72-GB 370	MEP390-M72-GB 375	MEP390-M72-GB 380	MEP390-M72-GB 385	MEP390-M72-GB 390
Max Power	Pmp	[W]	360	365	370	375	380	385	390
Max Power Voltage	Vmp	[V]	39.23	39.51	39.72	40.01	40.31	40.42	40.60
Max Power Current	Imp	[A]	9.18	9.25	9.32	9.39	9.45	9.54	9.61
Open Circuit Voltage	Voc	[V]	47.21	47.42	47.53	47.78	48.05	48.22	48.41
Short Circuit Current	Isc	[A]	9.67	9.73	9.85	9.92	9.99	10.06	10.13
Efficiency		[%]	18.6	18.8	19.1	19.3	19.6	19.8	20.1

Electrical Specificatuin (NMOT) - Front Side			NMOT: 800W/m² 20°C 1m/s [Test Uncertainty: ±3%]						
Max Power	Pmp	[W]	268	272	276	279	284	286	290
Max Power Voltage	Vmp	[V]	36.40	36.60	36.80	37.10	37.30	37.50	37.70
Max Power Current	Imp	[A]	7.38	7.43	7.49	7.54	7.60	7.65	7.71
Open Circuit Voltage	Voc	[V]	43.88	44.08	44.20	44.39	44.58	44.75	44.98
Short Circuit Current	Isc	[A]	7.77	7.83	7.88	7.94	8.01	8.06	8.11

Mechanical Data	
Solar Cell	Mono-Crystalline PERC 157mm - [6×12]
Module Dimension	1957×993×30 mm
Weight	23kg
Front Cover	Glass - 3.2mm Tempered AR coated
Back Cover	White Backsheet
Frame	Silver - Anodized Aluminium Alloy
Junction Box	IP68 Rated - 3 Bypass Diodes
Cable	4mm² - 1000mm

Temperature Ratings				
Temperature Coefficient	Isc	α	[%/°C]	+0.05
Temperature Coefficient	Voc	β	[%/°C]	-0.30
Temperature Coefficient	Pmax	γ	[%/°C]	-0.39
Nominal Module Operating Temperature	NMOT		[°C]	45±2

Operating Properties	
Max System Voltage	1500V
Max System Fuse Rating	15 A
Operational Temperature	-40 to +85 °C
Power Tolerance	+5W

Packaging Information	
# Module Per Pallet	31
# Pallet per 45'HC Container	22
# Pallet per 40'HC Container	20
# PCs per Container 40'HC	620
Pallet Weight (kg)	718