

MONO-FACIAL MODULE 640-665W

ELECTRICAL PARAMETERS @ STC

Peak Power	P _{max} (W)	640	645	650	655	660	665
Maximum Power Voltage	V _{mp} (V)	37.21	37.41	37.61	37.81	38.01	38.21
Maximum Power Current	I _{mp} (A)	17.20	17.24	17.28	17.32	17.36	17.40
Open-circuit voltage	V _{oc} (V)	45.18	45.38	45.58	45.78	45.98	46.18
Short-circuit current	I _{sc} (A)	18.06	18.11	18.16	18.21	18.26	18.31
Module Efficiency	η (%)	20.60	20.76	20.92	21.09	21.25	21.41

Values at standard test conditions STC (Air mass AM1.5, Irradiance 1000W/sqm, Cell temperature 25°C)
Power Measurement Tolerance: 0 / +3%

MECHANICAL DATA

Solar Cell (type / dimension)	Mono-crystalline solar cells / 210 x 105mm
Cell Amount	66 x 2
Module Dimension (L x W x H)	2384 x 1303 x 35mm
Weight	32.5 kg
Frame (material)	Aluminum Alloy
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Mechanical Load	Wind/Snow 2400/5400 Pa
Junction Box (protection degree)	IP 68
Output Cables	4mm ² ; +300,-300mm/±1300mm Length can be customized
Connector	MC4 compatible

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	45 +/- 2°C
Voltage Temperature Coefficient (VOC)	-0.28% / °C
Current Temperature Coefficient (Isc)	0.05% / °C
Power Temperature Coefficient (Pmax)	-0.34% / °C

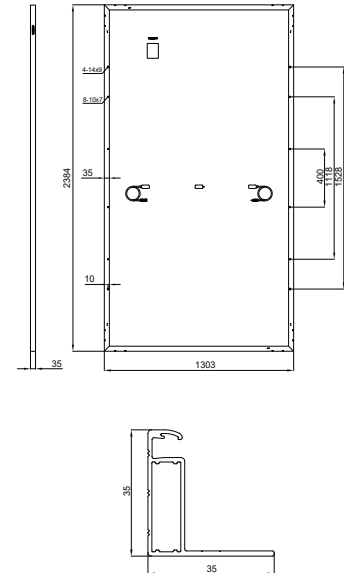
MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

WARRANTY & CERTIFICATIONS

Certification	IEC61215: 2021 IEC61730: 2016
Application Level	Class A
Warranty	25 years Power Output Warranty 10 years 90%, 25 years 85% 10 years Product Warranty on Material

MECHANICAL DRAWING



I-V CURVE

