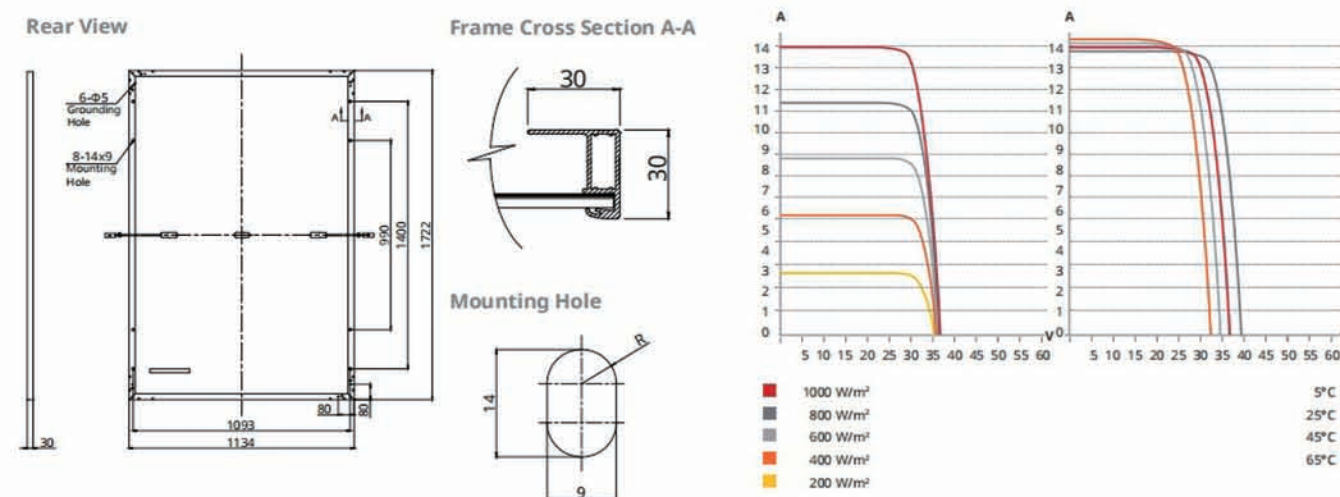




395~420W VE-395~420W-54M



ELECTRICAL DATA | STC*

Module Type	VE-395	VE-400	VE-405	VE-410	VE-415	VE-420
Nominal Max. Power (Pmax)	395W	400W	405W	410W	415W	420W
Opt. Operating Voltage (Vmp)	30.6V	30.8V	31.0V	31.2V	31.4V	31.6V
Opt. Operating Current (Imp)	12.91A	12.99A	13.07A	13.15A	13.23A	13.31A
Open Circuit Voltage (Voc)	36.6V	36.8V	37.0V	37.2V	37.4V	37.6V
Short Circuit Current (Isc)	13.77A	13.85A	13.93A	14.01A	14.09A	14.17A
Module Efficiency	20.2%	20.5%	20.7%	21.0%	21.3%	21.5%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)					
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ +10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	108 [2 X (9 X 6)]
Dimensions	1722 X 1134 X 30 mm (67.8 X 44.6 X 1.18 in)
Weight	21.3 kg (47.0 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy,
J-Box	IP68, 3 bypass diodes
Cable	4 mm ² (IEC), 12 AWG (UL)
Connector	T6 or MC4 or MC4-EVO2 or MC4-EVO2A
Cable Length (Including Connector)	mm (11.4 in) (-); landscape: 1100 mm (43.3 in)*
Per Pallet	35 pieces
Per Container (40' HQ)	910 pieces

ELECTRICAL DATA | NMOT*

Nominal Max. Power (Pmax)	296W	300W	304W	307W	311W	315W
Opt. Operating Voltage (Vmp)	28.7V	28.9V	29.1V	29.2V	29.4V	29.6V
Opt. Operating Current (Imp)	10.33A	10.39A	10.45A	10.52A	10.58A	10.65A
Open Circuit Voltage (Voc)	34.6V	34.8V	35.0V	35.1V	35.3V	35.5V
Short Circuit Current (Isc)	11.09A	11.15A	11.21A	11.28A	11.34A	11.41A

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 % / °C
Temperature Coefficient (Voc)	-0.26 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

Mono Perc

VE-395~420W-54M

395~420W



HIGH
POWER



MUTI
BUSBAR



CELL
HALF-CUT



HIGH DENSITY
ENCAPSULATION

WARRANTY



Guarantee on product material
and workmanship



Linear power
output warranty

CERTIFICATION



- ISO 9001:2015/quality management system
- ISO 14001:2015/environment management system
- ISO 45001:2018/occupation health safety management system

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