

SPECIFICATION

A. DIMENSION AND WEIGHT

- Dimension: Length 1,414mm x Width 1,114mm x Thickness 35mm
- Weight: Approx. 21kg

B. ELECTRICAL CHARACTERISTICS

(A) Power output properties

Specified condition: Module temperature 25 °C
 Spectrum AM 1.5 Reference solar radiation
 Irradiance 1000W/m²

	Stable* (After the initial degradation)			Initial (At the shipping)
	MT130	MT140	MT150	
Maximum power	130W±5%	140W±5%	150W±5%	Approx. 8% higher than stable value
Maximum power voltage	101V±10%	101V±10%	101V±10%	Approx. 3% higher than stable value
Maximum power current	1.29A±10%	1.39A±10%	1.48A±10%	Approx. 5% higher than stable value
Open circuit voltage	131V±10%	131V±10%	131V±10%	Approx. 1% higher than stable value
Short circuit current	1.53A±10%	1.65A±10%	1.77A±10%	Approx. 2% higher than stable value

* Stabilizing condition is MHI's acceleration test condition (Module temp. 30°C, Irradiance 5000W/m², 2 hours).

Note: Values may change during operation according to climate condition.
 Generally, energy conversion efficiency tends to decrease in winter season.

(B) Temperature coefficients

	Temperature coefficient
Maximum power	-0.28%/°C
Maximum power voltage	-0.33%/°C
Maximum power current	+0.06%/°C
Open circuit voltage	-0.32%/°C
Short circuit current	+0.06%/°C

(C) Maximum system voltage

600V

(D) Diode

- Bypass diode: None
- Blocking diode: Included

	Rated value
Repetitive peak reverse voltage	600 V
Average rectified forward current	2 A

* No voltage at 600V or more shall be applied to PV module.

C. LIMITATION OF TEMPERATURE

	Temperature	Humidity
Ambient	-20°C ~ +50%	–
Working	-20°C ~ +85%	–
Storage	-20°C ~ +50%	~ 85%

D. QUALIFICATIONS AND CERTIFICATIONS

MT Series were awarded the following international certifications.

- IEC 61646
- Safety class II

All certificates were issued by TUV Rheinland.

Certificate No. : Q 60011903
 TUVdotCOM-ID: 0211005400