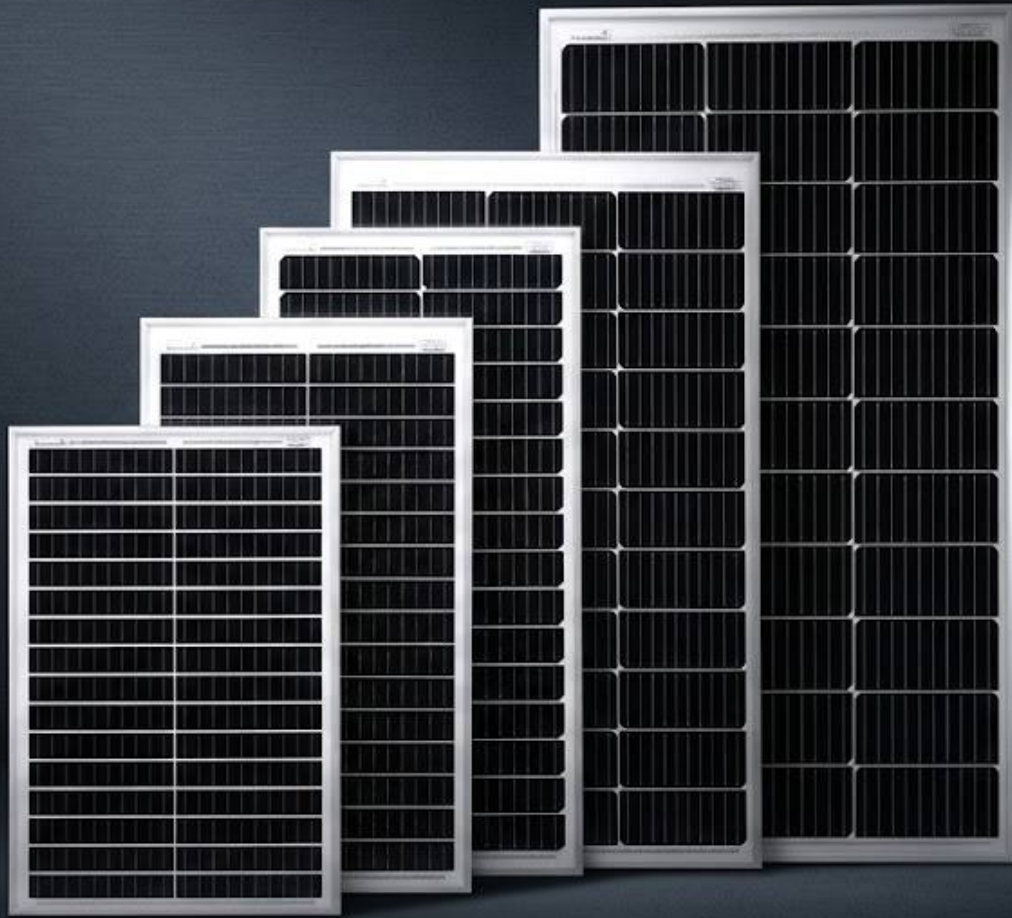




N-TYPE TOPCON MODULE SERIES

InnovaEDGE

Compact modules engineered for consistent output and a long, dependable service life.

40–335 Wp

POWER RANGE

12 V Class

SYSTEM VOLTAGE

10 / 25 Years*

PRODUCT & PERFORMANCE
WARRANTY

*Warranty terms and conditions apply. Refer [innovativesolarsolutions.in/terms-and-conditions.html](https://www.innovativesolarsolutions.in/terms-and-conditions.html)

N-TYPE TOPCON MODULE

40 Wp

INV-T16-12V-40Wp

30 CELLS · 18.52% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	40 Wp
Open Circuit Voltage (V _{oc})	21.48 V
Voltage at P _{max} (V _{mp})	18.84 V
Short Circuit Current (I _{sc})	2.25 A
Current at P _{max} (I _{mp})	2.15 A
Module Efficiency	18.52 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

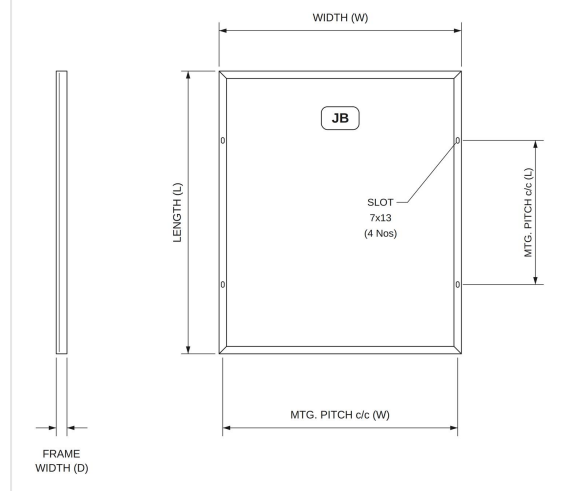
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	540 × 400 × 30 mm
Mounting Pitch c/c (L)	-
Mounting Pitch c/c (W)	-
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP65
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	-
		Cable Length	-

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

50 Wp

INV-T16-12V-50Wp

30 CELLS · 19.38% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (Pmax)	50 Wp
Open Circuit Voltage (Voc)	21.48 V
Voltage at Pmax (Vmp)	18.84 V
Short Circuit Current (Isc)	2.82 A
Current at Pmax (Imp)	2.69 A
Module Efficiency	19.38 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

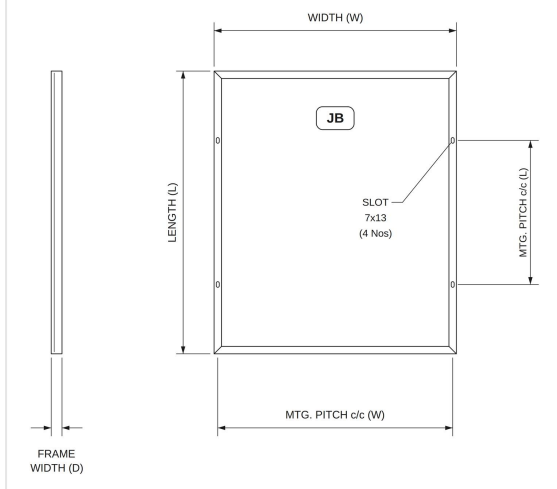
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (Voc)	-0.26 %/°C
Short Circuit Current (Isc)	-0.046 %/°C
Maximum Power (Pmax)	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	645 × 400 × 30 mm
Mounting Pitch c/c (L)	—
Mounting Pitch c/c (W)	—
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP65
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	—
		Cable Length	—

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

60 Wp

INV-T16-12V-60Wp

30 CELLS · 19.35% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	60 Wp
Open Circuit Voltage (V _{oc})	21.48 V
Voltage at P _{max} (V _{mp})	18.84 V
Short Circuit Current (I _{sc})	3.38 A
Current at P _{max} (I _{mp})	3.22 A
Module Efficiency	19.35 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

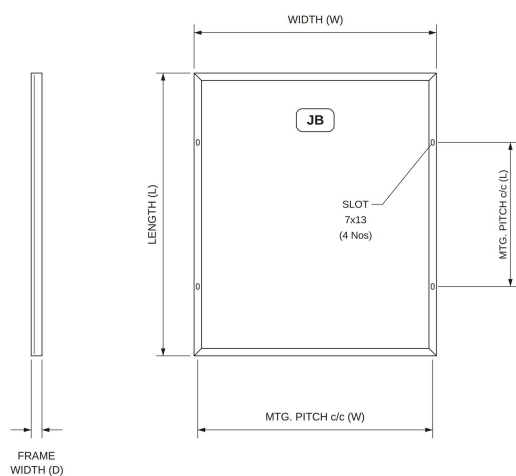
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	775 × 400 × 30 mm
Mounting Pitch c/c (L)	-
Mounting Pitch c/c (W)	-
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP65
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	-
		Cable Length	-

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

80 Wp

INV-T16-12V-80Wp

30 CELLS · 20.00% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (Pmax)	80 Wp
Open Circuit Voltage (Voc)	21.48 V
Voltage at Pmax (Vmp)	18.84 V
Short Circuit Current (Isc)	4.49 A
Current at Pmax (Imp)	4.28 A
Module Efficiency	20.00 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

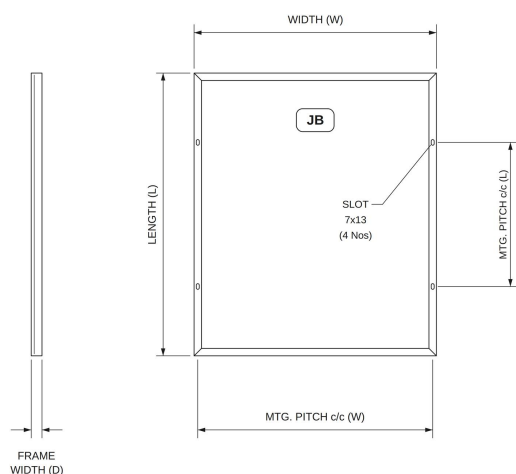
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (Voc)	-0.26 %/°C
Short Circuit Current (Isc)	-0.046 %/°C
Maximum Power (Pmax)	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1000 × 400 × 30 mm
Mounting Pitch c/c (L)	—
Mounting Pitch c/c (W)	—
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP65
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	—
		Cable Length	—

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

100 Wp

INV-T16-12V-100Wp

30 CELLS · 20.30% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	100 Wp
Open Circuit Voltage (V _{oc})	21.48 V
Voltage at P _{max} (V _{mp})	18.84 V
Short Circuit Current (I _{sc})	5.60 A
Current at P _{max} (I _{mp})	5.34 A
Module Efficiency	20.30 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

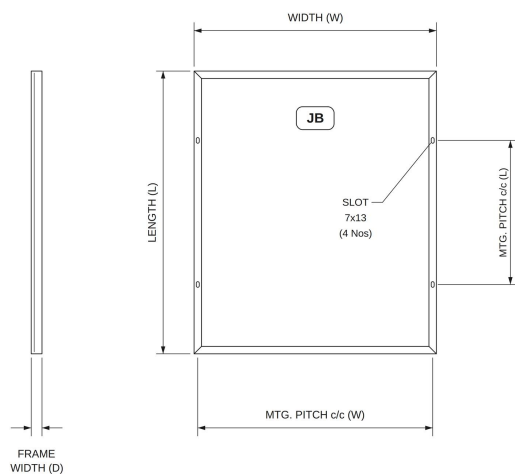
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	835 × 590 × 30 mm
Mounting Pitch c/c (L)	600 mm
Mounting Pitch c/c (W)	557 mm
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP67
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	-
		Cable Length	-

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

125 Wp

INV-T16-12V-125Wp

30 CELLS · 21.19% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (Pmax)	125 Wp
Open Circuit Voltage (Voc)	21.48 V
Voltage at Pmax (Vmp)	18.84 V
Short Circuit Current (Isc)	6.98 A
Current at Pmax (Imp)	6.66 A
Module Efficiency	21.19 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

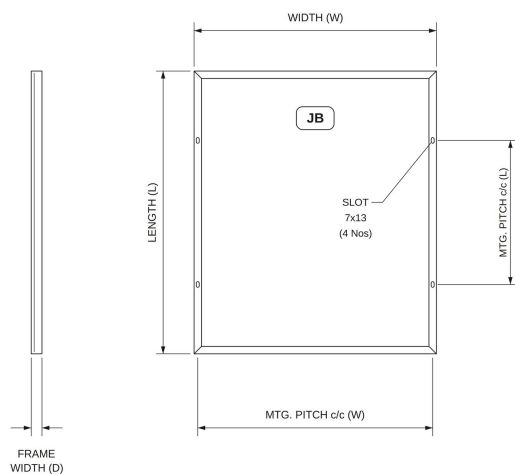
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (Voc)	-0.26 %/°C
Short Circuit Current (Isc)	-0.046 %/°C
Maximum Power (Pmax)	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1005 × 590 × 30 mm
Mounting Pitch c/c (L)	600 mm
Mounting Pitch c/c (W)	557 mm
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP67
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	-
		Cable Length	0.5 m

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

150 Wp

INV-T16-12V-150Wp

30 CELLS · 21.45% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	150 Wp
Open Circuit Voltage (V _{oc})	21.48 V
Voltage at P _{max} (V _{mp})	18.84 V
Short Circuit Current (I _{sc})	8.37 A
Current at P _{max} (I _{mp})	7.98 A
Module Efficiency	21.45 %
Maximum System Voltage	1000 V DC
Cells per Module	30

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

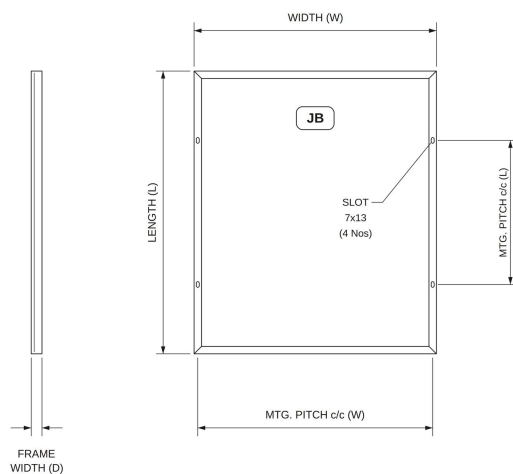
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1185 × 590 × 30 mm
Mounting Pitch c/c (L)	600 mm
Mounting Pitch c/c (W)	557 mm
Mounting Slots	7 × 13 mm, 4 Nos

Weight

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP67
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	MC4
		Cable Length	0.5 m

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

200 Wp

INV-T16-12V-200Wp

64 CELLS · 21.56% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	200 Wp
Open Circuit Voltage (V _{oc})	22.91 V
Voltage at P _{max} (V _{mp})	20.10 V
Short Circuit Current (I _{sc})	10.52 A
Current at P _{max} (I _{mp})	10.03 A
Module Efficiency	21.56 %
Maximum System Voltage	1000 V DC
Cells per Module	64

STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

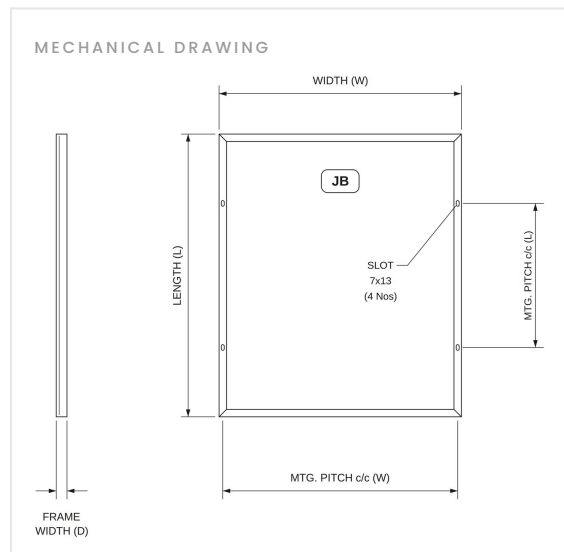
TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1205 × 770 × 30 mm
Mounting Pitch c/c (L)	600 mm
Mounting Pitch c/c (W)	735 mm
Mounting Slots	7 × 13 mm, 4 Nos

Weight


MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP67
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	MC4
		Cable Length	0.5 m

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

270 Wp

INV-T16-12V-270Wp

64 CELLS · 22.28% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	270 Wp
Open Circuit Voltage (V _{oc})	22.91 V
Voltage at P _{max} (V _{mp})	20.10 V
Short Circuit Current (I _{sc})	14.10 A
Current at P _{max} (I _{mp})	13.45 A
Module Efficiency	22.28 %
Maximum System Voltage	1000 V DC
Cells per Module	64

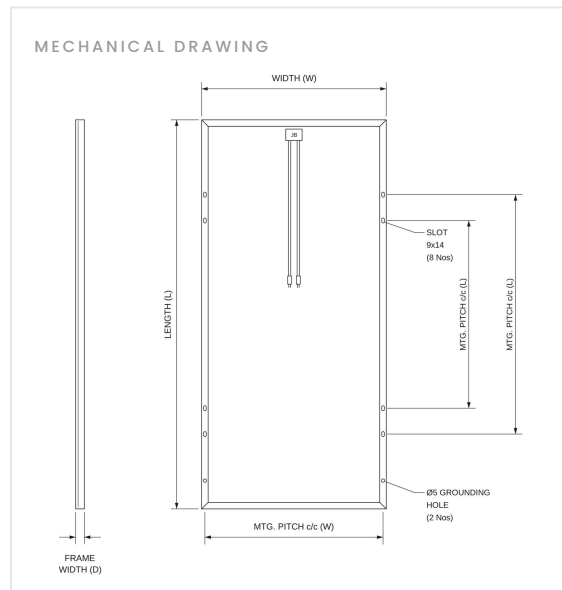
STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1574 × 770 × 35 mm
Mounting Pitch c/c (L)	1250 / 950 mm
Mounting Pitch c/c (W)	735 mm
Mounting Slots	9 × 14 mm, 8 Nos
Grounding Hole	Ø5 mm, 2 Nos
Weight	


MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm	Junction Box	IP67
Encapsulant	Ethylene Vinyl Acetate	Bypass Diodes	2
Frame	Anodised aluminium alloy	Connectors	MC4
		Cable Length	0.5 m

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html

N-TYPE TOPCON MODULE

335 Wp

INV-T16-12V-335Wp

136 CELLS · 22.03% EFFICIENCY


ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	335 Wp
Open Circuit Voltage (V _{oc})	24.34 V
Voltage at P _{max} (V _{mp})	21.35 V
Short Circuit Current (I _{sc})	16.50 A
Current at P _{max} (I _{mp})	15.74 A
Module Efficiency	22.03 %
Maximum System Voltage	1500 V DC
Cells per Module	136

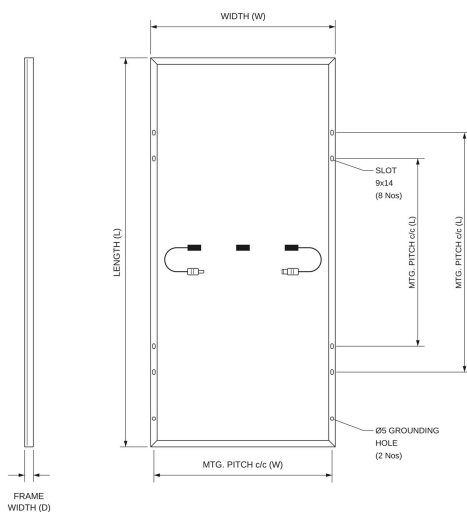
STC: irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C.

TEMPERATURE COEFFICIENTS

Open Circuit Voltage (V _{oc})	-0.26 %/°C
Short Circuit Current (I _{sc})	-0.046 %/°C
Maximum Power (P _{max})	-0.30 %/°C

MECHANICAL DATA

Dimensions (L × W × D)	1975 × 770 × 35 mm
Mounting Pitch c/c (L)	1250 / 950 mm
Mounting Pitch c/c (W)	735 mm
Mounting Slots	9 × 14 mm, 8 Nos
Grounding Hole	Ø5 mm, 2 Nos
Weight	

MECHANICAL DRAWING

MATERIALS & COMPONENTS

Front Cover	Tempered low-iron glass, 3.2 mm
Encapsulant	Ethylene Vinyl Acetate
Frame	Anodised aluminium alloy

Junction Box	IP68 / weatherproof PPO
Bypass Diodes	3
Connectors	MC4
Cable Length	0.5 m

WARRANTY

10-year product*
25-year performance*

*Terms and conditions apply. For full warranty terms refer innovativesolarsolutions.in/terms-and-conditions.html