

STM5-20/36 Series

STM5-20W

Electrical Characteristics

Module Type	STM5-20/36
Maximum Power-Pmax (Wp)	20
Voltage at Maximum Power-Vmp (V)	18.0
Current at Maximum Power -Imp (A)	1.12
Open Circuit Voltage-Voc (V)	21.24
Short Circuit Current-Isc (A)	1.22
Module Efficiency- η_m (%)	13.26
Power Tolerance (%)	0/+5
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC

Mechanical Specifications

Cell Type	125×125 mm
Number of Cells	36
Dimension	290×520×25 mm
Weight	1.60Kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Warranty

10 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



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STM5-40/36 Series

STM5-40W

Electrical Characteristics

Module Type	STM5-40/36
Maximum Power-Pmax (Wp)	40
Voltage at Maximum Power-Vmp (V)	18.0
Current at Maximum Power -Imp (A)	2.23
Open Circuit Voltage-Voc (V)	21.6
Short Circuit Current-Isc (A)	2.36
Module Efficiency- η m (%)	13.26
Power Tolerance (%)	0/+5
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC

Mechanical Specifications

Cell Type	125×125 mm
Number of Cells	36
Dimension	540×510×25 mm
Weight	2.90Kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Warranty

10 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



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STM5-140/54 Series

STM5-140W

Electrical Characteristics

Module Type	STM5-140/54
Maximum Power-Pmax (Wp)	140
Voltage at Maximum Power-Vmp (V)	27.8
Current at Maximum Power -Imp (A)	5.04
Open Circuit Voltage-Voc (V)	32.7
Short Circuit Current-Isc (A)	5.56
Module Efficiency-ηm (%)	14.44
Power Tolerance (%)	0/+5
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC

Mechanical Specifications

Cell Type	125×125 mm
Number of Cells	54
Dimension	1200×808×35 mm
Weight	11.0Kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Warranty

10 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



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STP6-140/36 Series

STP6-140W

Electrical Characteristics

Module Type	STP6-140/36
Maximum Power-Pmax (Wp)	140
Voltage at Maximum Power-Vmp (V)	17.6
Current at Maximum Power -Imp (A)	7.96
Open Circuit Voltage-Voc (V)	21.96
Short Circuit Current-Isc (A)	8.41
Module Efficiency- η m (%)	14.19
Power Tolerance (%)	0/+5
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC

Mechanical Specifications

Cell Type	156×156 mm
Number of Cells	36
Dimension	1473×670×35 mm
Weight	12.0Kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Warranty

10 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



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