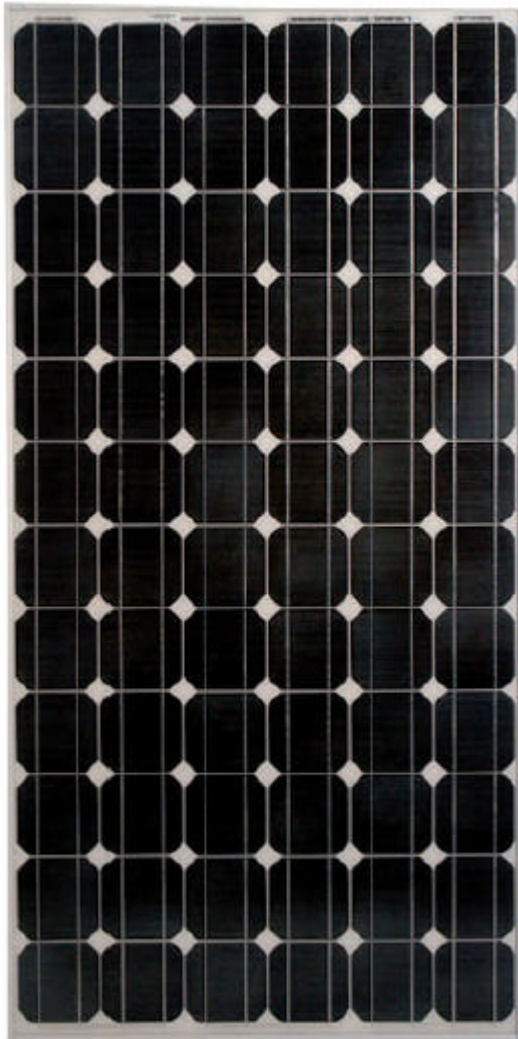


Suntech Solarmodule STP 160S-24/Aa

Monokristallin



Garantien:

- Leistungsgarantien
 - 25 Jahre (80%)
 - 12 Jahre (90%)
- 5 Jahre Produktgarantie

Qualität:

- IEC61215 getestet und zertifiziert

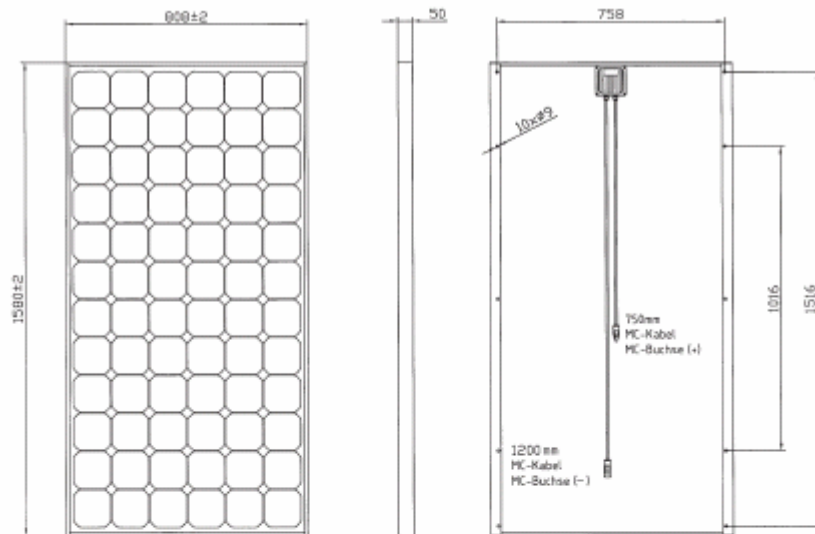
Vorteile:

- Anschlussfertig mit Kabeln und Multi-Kontakt-Steckverbindern
- Neues Multi-Contact-Stecksystem PV-KST4/PV-KBT4
- Integrierte Bypassdioden
- Leistungstoleranz +/- 3%

Suntech Solarmodule STP 160S 24/Aa

Monokristallin

Elektrische Werte unter Standardbedingungen: 1000 W/m²; 25°; AM 1,5



Technische Daten

Nennleistung	(Wp)	160,0
Garantierte Mindestleistung	(Wp)	155,2
Nennspannung	(V)	34,4
Nennstrom	(A)	4,66
Leerlaufspannung	(V)	43,2
Kurzschlussstrom	(A)	5,00
Länge (nur Rahmenprofil)	(mm)	1580
Länge (incl. der überstehenden Schraubenköpfe)	(mm)	1584
Breite	(mm)	808
Höhe	(mm)	50
Gewicht	(kg)	13,5
Montagebohrungen Ø 9 mm	(Stück)	10

Specifications

Cell	Monocrystalline siliconsolar cells 125mm×125mm
Cell manufactory	Suntech Power Co., Ltd.
No.of cells and connections	72(6×12)
Maximum system voltage	DC 1000V
Dimension of module (mm)	1580×808×50
Dimension of glass(mm)	1574×802×3.2
Weight	15.5 kg

Electro-optical characteristics

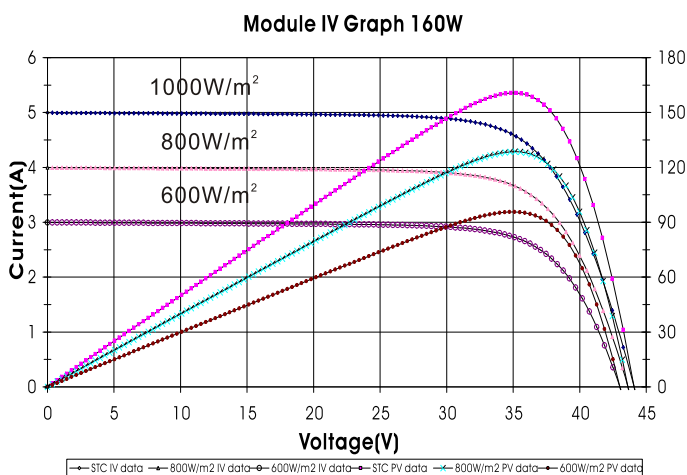
Model	STP160S-24/Aa (STC)	STP160S-24/Aa (NTC)
Open circuit voltage Voc(V)	43.2	39.1
Optimum operating voltage Vm(V)	34.4	34
Short circuit current Isc(A)	5	4.04
Optimum operating current Im(A)	4.65	3.38
Maximum power Pmp(W)	160	115
Practical module efficiency η_c (%)	12.53%	12.52%

STC:Irradiance 1000W/m²,Module temperature 25°C,AM=1.5
 NTC:Irradiance 800W/m²,Module temperature at NOCT ,AM=1.5
 Efficiency at 200W/m²,25°C,AM1.5 is 12.51%

Certifications

ISO9001(2000)	1902Q11440ROM
IEC61215	ASU04072201
CE	G4M20301-0199-E-16
Safety Class II	TÜV 21200934-3

Characteristics



Absolute maximum limits

Parameters	Rating	Unit
Operating temperature	-40 to +85	°C
Storage temperature	-40 to +85	°C
Dielectric voltage withstood	2200max	V-DC
NOCT	50	°C

Temperature coefficients

Current temperature coefficient	dIsc/dT	+0.003A/K
Voltage temperature coefficient	dVoc/dT	0.16V/K
Power temperature coefficient	dPm/dT	0.672W/K

Some materials

Frame	Aluminum material 6063T5
Front cover	High-transmission glass

Output terminal

Type of output terminal	Junction box
Cable	LAPP
Connection	MC Plug Type IV

Blueprint of the module

