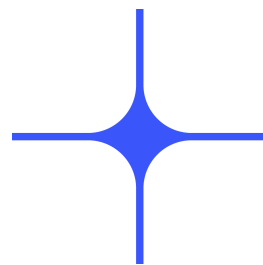




390-410 W Full Black SNX-D54HP(S)

Produced by  **Sunnex**



Integrated cell string optimizer



More power

Up to 20% more energy compared to normal solar panels.



Advanced insight

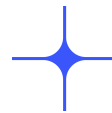
Cell-level data provides real-time diagnostics for the system owner.



Safer

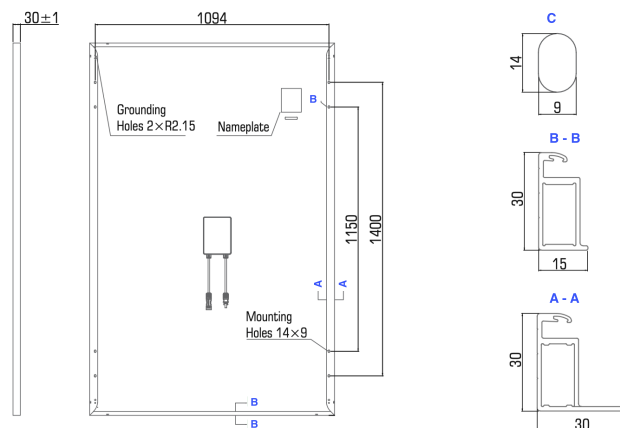
Temperature and maintenance shutdown lowers (fire) risk.





Mechanical specifications

Dimensions	1722*1134*30 mm
Weight	20.2Kg
Front Glass	AR coating tempered glass, 3.2mm
Frame	Anodized aluminium alloy
Cells	Mono-crystalline solar cell 182mm*91mm
Cell Orientation	108 (6x18)
Junction Box	IP67
Cable/Connectors	4mm / Stäubli MC4
Packaging	36 pcs/pallet; 936 pcs/40' HQ container



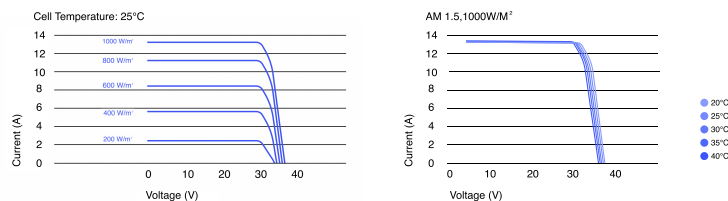
Electrical specifications

Module Type: SNX-D54HP-***MS		390		395		400		405		410	
Performance (Power Tolerance -0 W/+5 W)	[W]	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power-Pm	[W]	390	295	395	299	400	303	405	307	410	310
Open Circuit Voltage-Voc	[V]	36.69	34.13	36.93	34.35	37.18	34.58	37.42	34.81	37.66	35.03
Short Circuit Current-Isc	[A]	13.42	10.98	13.48	11.03	13.54	11.08	13.60	11.13	13.66	11.18
Maximum Power Voltage-Vm	[V]	30.79	28.45	31.03	28.70	31.28	28.94	31.52	28.19	31.76	29.36
Maximum Power Current-Im	[A]	12.67	10.37	12.73	10.42	12.79	10.47	12.85	10.52	12.91	10.56
Module Efficiency	[%]	19.97		20.23		20.48		20.74		21.00	

Temperature Coefficients

NMOT	45 °C (± 2°C)
Temperature Coefficient of Voc	-0.2% /°C
Temperature Coefficient of Isc	0.05% /°C
Temperature Coefficient of Pm	-0.350% /°C

I-V Curve



Properties for system design

Maximum System Voltage [V]	1000V DC (IEC)
Maximum Series Fuse Rating [A]	20A (Comply with Taylor installation manual)
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	- 40 to + 85
Withstanding Hall	Maximum diameter of 25 mm with impact speed of 23 m/s ⁻¹

Notice

All data and specifications are preliminary and subject to change without notice.

Warranty

Module Warranty by Sonnex Energie GmbH

Product Warranty [y]	20
Power Warranty [y]	30
Power after 1 year	< 2%
Power after 2nd year	< 0.55%
Guaranteed Performance Ratio	82.05% after 30 years

Cell String Optimizer Warranty by Taylor Technologies

Product Warranty [y]	25
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