

THREE LINE CALCULATIONS						
PV MODULE RATINGS @ STC:						
MODULE MAKE	HANWAH	CFII				
MODULE MODEL	Q.PEAK DU					
MAXIMUM POWER (Pmax)	350					
RATED MAX POWER-POINT CURRENT (Imp)	10.27					
RATED MAX POWER-POINT VOLTAGE (Vmp)	34.07					
SHORT CIRCUIT CURRENT (Isc)	10.79					
OPEN CIRCUIT VOLTAGE (Voc)	40.73					
	1011	_				
INVERTER RATINGS:						
INVERTER MAKE	SMA					
INVERTER MODEL	SB7.0-1SP-	-US-41				
MAX DC VOLT RATING	600	Vdc				
MAX POWER @ 40°C	7000	W				
NOMINAL AC VOLTAGE	240	Vac				
MAX INPUT DC CURRENT PER MPPT	10	А				
MAX AC OUTPUT CURRENT (Imax)	29.2	А				
MIN OCPD = Imax X 1.25	36.5	А				
OCPD USED	40	А				
STRING CALCS: ARRAY 1						
# OF MODULES	22					
MAX STRING LENGTH	12					
# OF STRINGS	2					
RATED Mpp VOLTAGE	408.84	V				
RATED Mpp CURRENT	20.54	Α				
MAXIMUM SYSTEM VOLTAGE	548.1443	V				
MAXIMUM SYSTEM CURRENT	21.63179	Α				
SITE SPECIFICATIONS:						
LOCATION:						
1) LOWEST EXPECTED AMBIENT TEMP BASED OF	N ASHRAE N	∕IIN MEAN				
EXTREME DRY BULB TEMP FOR ASHRAE LOCATION	ON MOST S	IMILAR				
TO INSTALLATION LOCATION						
LOWEST EXPECTED AMBIENT TEMP	-20	°C				
2) HIGHEST CONT. AMBIENT TEMP BASED ON AS	SHRAE HIGH	HEST				
MONTH 2% DRY BULB TEMP FOR ASHRAE LOCA	TION MOST	SIMILAR				
TO INSTALLATION LOCATION						
HIGH CONT. TEMP	31	°C				



					T			
ВУ	CRP							
DATE	03/10/21 CRP							
DESCRIPTION	INITIAL							
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DRAWN BY	ORD		L				SCALE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

2 of 2

DRAWING NUMBER

E-102



Project Details			
Name		Date	03/10/2021
Location		Total modules	22
Module	Hanwha Q.Cells: Q.PEAK DUO-G6/SC 350 (40mm)	Total watts	7,700
Dimensions	68.5" x 40.55" x 1.57" (1740.0mm x 1030.0mm x 40.0mm)	Attachments	44
ASCE	7-10		

System Weight	
Total system weight	1,235.6 lbs
Weight/attachment	28.1 lbs
Racking weight	192.8 lbs
Distributed weight	2.9 psf

Load Assumptions	
Wind exposure	В
Wind speed	115 mph
Ground snow load	40 psf
Attachment spacing portrait	4.0'

Roof Information			
Roof material	Metal	Building height	25 ft
Roof attachment	L-Foot Only	Roof slope	19 °
Attachment hardware	T Bolt	Risk category	II

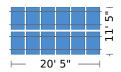
Span Deta	ils XR100	-	Portrait
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Zone	Max span	Max cantilever
1	6' 10"	2' 9"
2	6' 10"	2' 9"
3	6' 10"	2' 9"

Reaction Forces XR100 - Portrait						
Zone	Down (lbs)	Uplift (lbs)	Lateral (lbs)			
1	285	102	89			
2	285	212	89			
3	285	336	89			

Roof Section 1		
Definition	Roof Section Weights	Roof Section (all segments)
12 modules	Total weight: 666.4 lbs	Provided rail: 112' [8 x 14']
Portrait orientation	Weight/attachment: 27.8 lbs	Attachments: 24
Graphical entry	Total Area: 235.8 sq ft	Splices: 4
	Distributed weight: 2.8 psf	Clamps: 28

Diagram



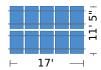
Segments

Columns	Length	Cantilever	Cantilever Violations	Rail	Attachments	Splices	Clamps
6	20' 7"	4"	None	56' [4 x 14']	12	2	14
			Row segment totals (x 2) →	112' [8 x 14']	24	4	28



Roof Section 2					
Definition	Roof Section Weights	Roof Section (all segments)			
10 modules	Total weight: 569.2 lbs	Provided rail: 112' [8 x 14']			
Portrait orientation	Weight/attachment: 28.5 lbs	Attachments: 20			
Graphical entry	Total Area: 196.8 sq ft	Splices: 4			
	Distributed weight: 2.9 psf	Clamps: 24			

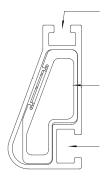
Diagram

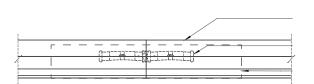


Segments

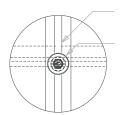
Columns	Length	Cantilever	Cantilever Violations	Rail	Attachments	Splices	Clamps
5	17' 2"	7"	None	56' [4 x 14']	10	2	12
			Row segment totals (x 2) →	112' [8 x 14']	20	4	24

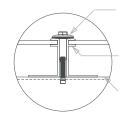
Splice Details

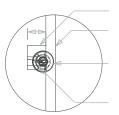


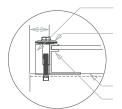


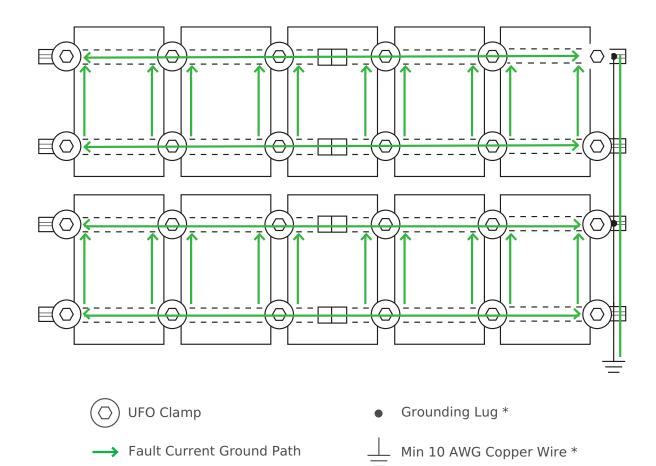
Clamp Detail











Bonded Splice (Rail Connection)

^{*} Grounding Lugs and Wire are not required in systems using Enphase microinverters.



Bill of Materials

Part	Spares	Total Qty
Rails & Splices		
XR-100-168B XR100, Rail 168" (14 Feet) Black	0	16
XR100-BOSS-01-M1 Bonded Splice, XR100	0	8
Clamps & Grounding		
UFO-CL-01-B1 Universal Module Clamp, Black	0	52
UFO-STP-40MM-B1 Stopper Sleeve, 40MM, Black	0	16
XR-LUG-03-A1 Grounding Lug, Low Profile	0	4
Attachments		
LFT-03-B1 Slotted L-Foot, Black	0	44
BHW-TB-02-A1 T-Bolt Bonding Hardware	0	44

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The Right Way!

S-5-B Clamp

Architects and roof designers choose copper roofing for its timeless elegance and durability. The S-5-B ("B" for "Brass") allows architects to maintain that theme with all equipment and accessories that must be mounted to the roof with permanence and durability consistent with the roof itself.

This clamp is specifically designed for double-folded copper standing seam paneling.

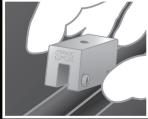
Installation is as simple as placing the clamp on the seam and tightening the patented round-point setscrews to the specified tension. Then, affix ancillary items using the bolt provided. Go to www.S-5.com/tools for information and tools available for properly attaching and tensioning S-5!® clamps.

S-5-B Mini Clamp

The S-5-B Mini is a bit shorter than the original S-5-B and has one setscrew rather than two. The mini is the choice for attaching all kinds of rooftop accessories: signs, walkways, satellite dishes, antennas, rooftop lighting, lightning protection systems, solar arrays, conduit, rooftop mechanicals just about anything!*













The brass S-5-B clamp is designed to complement the beauty of your copper roofing without piercing the panel, thereby preserving the roof manufacturer's warranty!

^{*}S-5! mini clamps are not compatible with, and should not be used with S-5! SnoRail™/SnoFence™ or ColorGard® snow retention systems.



The strength of the S-5-B clamp is in its simple design. The patented setscrews will slightly dimple the metal seam material but will not puncture it—leaving the roof manufacturer's warranty intact.

The **S-5-B and S-5-B Mini clamps** are each furnished with the hardware shown to the right. The S-5-B standard clamp is provided with an M8-1.25 X 16.00 mm Hex Flange Bolt. Each box also includes a screw gun bit tip. All included hardware is stainless steel. Please visit **www.S-5.com** for more information including CAD details and specifications.

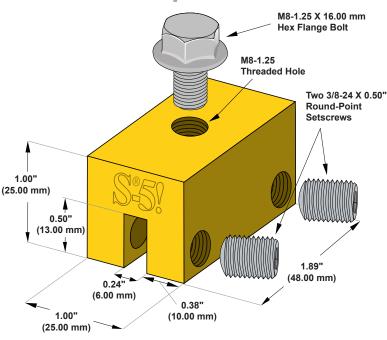
The S-5-B and S-5-B Mini clamps have been tested for load-to-failure results on cold-rolled standing seam copper. The independent lab test reports found on our website at www.S-5.com prove that S-5!® holding strength is unmatched in the industry.

An S-5-B standard clamp compatible with an M10-1.5 X 16.00 mm Hex Flange Bolt is available upon request for an additional up charge.

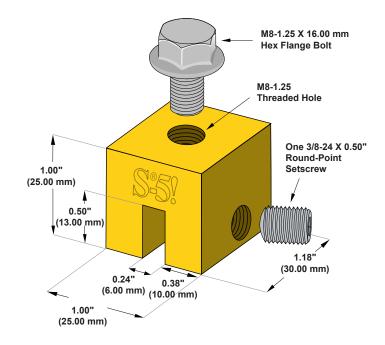
Example Profile



S-5-B Clamp



S-5-B Mini Clamp



S-5!® Warning! Please use this product responsibly!

Products are protected by multiple U.S. and foreign patents. Visit the website at www.S-5.com for complete information on patents and trademarks. For maximum holding strength, setscrews should be tensioned and re-tensioned as the seam material compresses. Clamp setscrew tension should be verified using a calibrated torque wrench between 160 and 180 inch pounds when used on 22ga steel, and between 130 and 150 inch pounds for all other metals and thinner gauges of steel. Consult the S-5! website at www.S-5.com for published data regarding holding strength.

Distributed by



Q.ANTUM SOLAR MODULE

The new Q.PEAK DUO-G5 solar module from Q CELLS impresses thanks to innovative Q.ANTUM DUO Technology, which enables particularly high performance on a small surface. Q.ANTUM's world-record-holding cell concept has now been combined with state-of-the-art circuitry half cells and a six-busbar design, thus achieving outstanding performance under real conditions - both with low-intensity solar radiation as well as on hot, clear summer days.



Q.ANTUM TECHNOLOGY: LOW LEVELIZED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.9%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID and Anti PID Technology 1 , Hot-Spot Protect and Traceable Quality Tra. Q^{TM} .



EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa) regarding IEC.



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance guarantee².



STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

THE IDEAL SOLUTION FOR:















- APT test conditions according to IEC/TS 62804-1:2015, method B (-1500 V. 168 h)
- See data sheet on rear for further information.



Weight 41.2 lbs (18.7 kg)

0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology

Back Cover Composite film

Front Cover

Cable

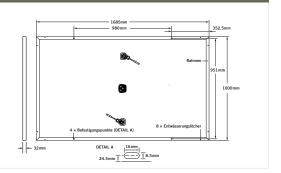
Frame Black anodized aluminum

Cell 6 × 20 monocrystalline Q.ANTUM solar half-cells Junction box

2.76-3.35 in \times 1.97-2.76 in \times 0.51-0.83 in (70-85 mm \times 50-70 mm \times 13-21 mm), decentralized, IP67

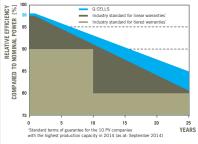
 $4\,\text{mm}^2$ Solar cable; (+) $\geq 43.3\,\text{in}$ (1100 mm), (-) $\geq 43.3\,\text{in}$ (1100 mm)

Multi-Contact MC4, IP65 and IP68 Connector



EL	ECTRICAL CHARACTERIS	TICS							
PO	WER CLASS			305	310	315	320	325	330
MII	NIMUM PERFORMANCE AT STANI	DARD TEST CONDITIONS, STC1	POWER TOLER	ANCE +5W / -0	W)				
	Power at MPP ²	P _{MPP}	[W]	305	310	315	320	325	330
	Short Circuit Current*	I _{sc}	[A]	9.93	9.98	10.04	10.09	10.14	10.20
Minimum	Open Circuit Voltage*	V _{oc}	[V]	39.35	39.61	39.87	40.13	40.40	40.66
Min	Current at MPP*	I _{MPP}	[A]	9.44	9.50	9.55	9.60	9.66	9.71
	Voltage at MPP*	\mathbf{V}_{MPP}	[V]	32.30	32.64	32.98	33.32	33.65	33.98
	Efficiency ²	η	[%]	≥18.1	≥18.4	≥18.7	≥19.0	≥19.3	≥19.6
MII	NIMUM PERFORMANCE AT NORM	AL OPERATING CONDITIONS, N	OC3						
	Power at MPP ²	P_{MPP}	[W]	226.0	229.7	233.4	237.2	240.9	244.6
트	Short Circuit Current*	I _{sc}	[A]	8.00	8.05	8.09	8.14	8.18	8.22
Minimum	Open Circuit Voltage*	V _{oc}	[V]	36.80	37.05	37.30	37.54	37.79	38.04
Ž	Current at MPP*	I _{MPP}	[A]	7.43	7.47	7.51	7.56	7.60	7.64
	Voltage at MPP*	\mathbf{V}_{MPP}	[V]	30.43	30.75	31.07	31.39	31.70	32.01
1100	OW/m², 25°C, spectrum AM 1.5G	² Measurement tolerances STC ±	3%; NOC ±5%	³ 800 W/m ² , NO	CT, spectrum AM 1.5	5G * typical va	alues, actual values	may differ	

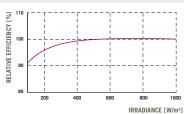
Q CELLS PERFORMANCE WARRANTY



At least 98 $\!\%$ of nominal power during first year. Thereafter max. 0.54 $\!\%$ degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

Temperature Coefficient of I _{sc}	α	[%/K]	+0.04	Temperature Coefficient of V_{oc}	β	[%/K]	-0.28
Temperature Coefficient of Pupp	v	[%/K]	-0.37	Normal Operating Cell Temperature	NOCT	[°F]	113 +5.4 (45 +3°C)

PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage V _{SYS}	[V]	1000 (IEC) / 1000 (UL)	Safety Class	II			
Maximum Series Fuse Rating	[A DC]	20	Fire Rating	C (IEC) / TYPE 1 (UL)			
Design load, push (UL) ²	[lbs/ft²]	75 (3600 Pa)	Permitted module temperature on continuous duty	-40 °F up to $+185$ °F (-40 °C up to $+85$ °C)			
Design load, pull (UL) ²	[lbs/ft²]	55.6 (2666 Pa)	² see installation manual				

QUALIFICATIONS AND CERTIFICATES PACKAGING INFORMATION UL 1703; VDE Quality Tested; CE-compliant; 32 **Number of Modules per Pallet** IEC 61215 (Ed.2); IEC 61730 (Ed.1) application class A 30 Number of Pallets per 53' Trailer 26 Number of Pallets per 40' High Cube Container Pallet Dimensions (L \times W \times H) $69.3 \text{ in} \times 45.3 \text{ in} \times 46.9 \text{ in}$

 $(1760 \, \text{mm} \times 1150 \, \text{mm} \times 1190 \, \text{mm})$ **Pallet Weight** 1415 lbs (642 kg)

NOTE: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US





Value-Added Improvements

- World's first Secure Power Supply now offers up to 2,000 W
- Full grid management capabilities ensure a utility-compliant solution for any market

Reduced Labor

- New Installation Assistant with direct access via smartphone minimizes time in the field
- Integrated disconnect simplifies equipment stocking and speeds installation

Unmatched Flexibility

- SMA's proprietary OptiTracTM
 Global Peak technology mitigates
 shade with ease
- Multiple independent MPPTs accommodate hundreds of stringing possibilities

Trouble-Free Servicing

- Two-part enclosure concept allows for simple, expedited servicing
- Enhanced AFCI technology reduces false tripping while improving sensitivity in real arcs

SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US

Reduce costs across your entire residential business model

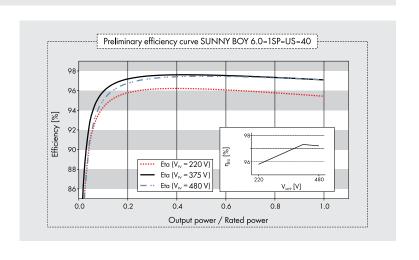
The residential PV market is changing rapidly, and we understand that your bottom line matters more than ever. That's why we've designed a superior residential solution that will help you decrease costs throughout all stages of your business operations. The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US join the SMA lineup of field-proven solar technology backed by the world's #1 service team, along with a wealth of improvements. Simple design, improved stocking and ordering, value driven sales support and streamlined installation are just some of the ways that SMA is working to help your business operate more efficiently.

Technical data	Sunny Bo	by 3.0-US	Sunny Boy 3.8-US		Sunny Boy 5.0-US	
	208 V	240 V	208 V	240 V	208 V	240 V
Input (DC)						
Max. usable DC power	3100 W	3100 W	3450 W	4000 W	5150 W	5150 W
Max. DC voltage			60	0 V		
Rated MPP voltage range	155 - 480 V 195 - 480 V 220 -					480 V
MPPT operating voltage range			100 -	550 V		
Min. DC voltage / start voltage			100 V ,	/ 125 V		
Max. operating input current per MPPT			10	Α		
Max. short circuit current per MPPT	18 A					
Number of MPPT tracker / string per MPPT tracker		2	/1		3	/ 1
Output (AC)						
AC nominal power	3000 W	3000 W	3330 W	3800 W	5000 W	5000 W
Max. AC apparent power	3000 VA	3000 VA	3330 VA	3800 VA	5000 VA	5000 VA
Nominal voltage / adjustable	208 V / ●	240 V / ●	208 V / ●	240 V / ●	208 V / ●	240 V /
AC voltage range	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264
AC grid frequency	100 22/1	211 204 1		/ 50 Hz	100 2271	211 - 204
Max. output current	14.5 A	12.5 A	16.0 A	16.0 A	24.0 A	24.0 A
Power factor (cos φ)	14.5 A	12.5 A		10.0 A	24.0 A	24.0 A
· · · · · · · · · · · · · · · · · · ·				/ 2		
Output phases / line connections						
Harmonics			< 2	4 %		
Efficiency	07.0.0/	07.4.0/	07.0.0/	07.5.0/	07.0 %	07.5.0/
Max. efficiency	97.2 %	97.6 %	97.2 %	97.5 %	97.2 %	97.5 %
CEC efficiency	96 %	96.5 %	96.5 %	96.5 %	96.5 %	97 %
Protection devices						
DC disconnect device						
DC reverse polarity protection			•	•		
Ground fault monitoring / Grid monitoring			•	•		
AC short circuit protection				•		
All-pole sensitive residual current monitoring unit (RCMU)			•	•		
Arc fault circuit interrupter (AFCI)				•		
Protection class / overvoltage category			1/	′ IV		
General data						
Dimensions (W / H / D) in mm (in)			535 x 730 x 198	$(21.1 \times 28.5 \times 7.8)$		
Packaging Dimensions (W / H / D) in mm (in)			600 x 800 x 300 (23.6 x 31.5 x 11.8)		
Weight			26 kg	(57 lb)		
Packaging weight			30 kg	(66 lb)		
Operating temperature range			- 25°C	+60°C		
Noise emission (typical)			39 c	B(A)		
Internal power consumption at night			< 5	5 W		
Topology			Transfo	rmerless		
Cooling concept			Conv	ection		
Features						
Secure Power Supply				•		
Display (2 x 16 characters)				•		
Interfaces: Ethernet / WLAN				/ ●		
Sensor module / External WLAN antenna				/ 0		
Warranty: 10 / 15 / 20 years				0/0		
Certificates and approvals	III 174	L1 LII 1998 LII 160		Part 15 (Class A & B)	CAN/CSA V22 2	107 1-1
 Standard features O Optional features Not as 			NOTE: US inverters s		, 5/11 1/ 55/1 122.2	
Type designation		SP-US-40		SP-US-40	SR5 ∩ 1	SP-US-40
Accessories	000.0-1	01 00 40	3B3.0-1	01 00 40	000.0-1	0. 00-40

Accessories







Technical data		oy 6.0-US	Sunny Boy 7.0-US		Sunny Boy 7.7-US	
	208 V	240 V	208 V	240 V	208 V	240 V
Input (DC)	_,,					
Max usable DC power	5400 W	6200 W	6900 W	7200 W	6900 W	7950 W
Max. DC Voltage				0 V		
Rated MPP Voltage range	220 -	480 V		480 V	2/0 -	480 V
MPPT operating voltage range				550 V		
Min. DC voltage / start voltage				/ 125 V		
Max. operating input current per MPPT) A		
Max. short circuit current per MPPT				3 A		
Number of MPPT tracker / string per MPPT tracker			3,	/ 1		
Output (AC)						
AC nominal power	5200 W	6000 W	6660 W	7000 W	6660 W	7680 W
Max. AC apparent power	5200 VA	6000 VA	6660 VA	7000 VA	6660 VA	7680 VA
Nominal voltage / adjustable	208 V / ●	240 V / ●	208 V / ●	240 V / ●	208 V / ●	240 V / •
AC voltage range	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264
AC grid frequency				/ 50 Hz		
Max. output current	25.0 A	25.0 A	32.0 A	29.2 A	32.0 A	32.0 A
Power factor (cos φ)				1		
Output phases / line connections			1,	/ 2		
Harmonics			< 2	4 %		
Efficiency						
Max. efficiency	97.2 %	97.6 %	97.1 %	97.5 %	97.1 %	97.5 %
CEC efficiency	96.5 %	97 %	96.5 %	97 %	96.5 %	97 %
Protection devices						
DC disconnect device				•		
DC reverse polarity protection				•		
Ground fault monitoring / Grid monitoring				•		
AC short circuit protection				•		
All-pole sensitive residual current monitoring unit (RCMU)				•		
Arc fault circuit interrupter (AFCI)				-		
Protection class / overvoltage category			1/	'IV		
General data			.,	.,		
Dimensions (W / H / D) in mm (in)			535 v 730 v 108	(21.1 x 28.5 x 7.8)		
Packaging Dimensions (W / H / D) in mm (in)				$23.6 \times 31.5 \times 11.8$		
Weight				(57 lb)		
Packaging weight				(66 lb)		
Operating temperature range				+60°C		
	24 -	JB(A)	- 25 C		JB(A)	
Noise emission (typical)	30 0	1D(A)	. ·	45 c	1D(A)	
Internal power consumption at night			_	• •		
Topology	Transformerless Convection Fan					
Cooling concept	Conv	eciion		Fo	un	
Features						
Secure Power Supply				•		
Display (2 x 16 characters)						
Interfaces: Ethernet / WLAN				/ •		
Sensor module / External WLAN antenna Warranty: 10 / 15 / 20 years			•/0	/ o o/o		
Certificates and approvals	UL 174	11, UL 1998, UL 169	9B, IEEE1 <i>547</i> , FCC	Part 15 (Class A & B)	, CAN/CSA V22.2	107.1-1
• Standard features O Optional features - Not as	railable Data at n	ominal conditions I	NOTE: US inverters s	hip with gray lids.		
Type designation	SB6.0-1	SP-US-40	SB7.0-1	SP-US-40	SB7.7-1	SP-US-40

SAME NAME, NEW GAME

The Sunny Boy 3.0-US through 7.7-US are once again raising the bar by offering improved performance, enhanced features, and most importantly, an economical approach to residential solar. Your business model is a value chain. The new Sunny Boy-US series can help you stay competitive in an increasingly price sensitive residential market by driving down costs across all of your business operations.







SIMPLE, FLEXIBLE DESIGN

Speed the completion of customer proposals and maximize the efficiency of your design team with the Sunny Boy-US series, which provides a new level of flexibility in system design by offering:

- » Hundreds of stringing configurations and multiple independent MPPTs
- » SMA's proprietary OptiTrac™ Global Peak shade mitigation technology
- » Diverse application options including on- and off-grid compatibility



VALUE-DRIVEN SALES ENABLEMENT

SMA wants to enable your sales team by arming them with an abundance of feature/ benefit support. Show your customers the value of the Sunny Boy-US series by utilizing:

- » Secure Power Supply, now with 2,000 W of opportunity power in the event of a grid outage, as an increased value-add or upsell opportunity
- » SMA's 35 year history and status as the #1 global inverter manufacturer instills homeowners with peace of mind and the long-term security they demand from a PV investment
- » An economical solution for shade mitigation and the challenges of complex roofs



IMPROVED STOCKING AND ORDERING

Ensure that your back office business operations run smoothly and succinctly while mitigating potential errors. The Sunny Boy-US series can help achieve cost savings in these areas by providing:

- » An integrated DC disconnect that simplifies equipment stocking and allows for a single inverter part number
- » All communications integrated into the inverter, eliminating the need to order additional equipment



STREAMLINED INSTALLATION AND COMMISSIONING

Expedite your operations in the field by taking advantage of the new Sunny Boy's installer-friendly feature set including:

- » Direct access via smartphone and utilization of SMA's Installation Assistant, which minimizes time/labor spent in the field and speeds the path to commissioning
- » Improved communication-no need to install additional equipment
- » Integrated DC disconnect that simplifies onsite logistics and eliminates the need to install a separate disconnect unit, speeding overall installation time



SUPERIOR SERVICE

SMA understands the factors that contribute to lifetime PV ownership cost, that's why the Sunny Boy-US series was designed for maximum reliability and backstopped by an unmatched service offering. Benefit from:

- » The new Sunny Boy's two-part enclosure concept that separates the connection unit from the power unit, which allows for simple, expedited servicing
- » The #1 service team in the PV industry, as recognized by IMS research, with experience servicing an installed base of more than 40 GW