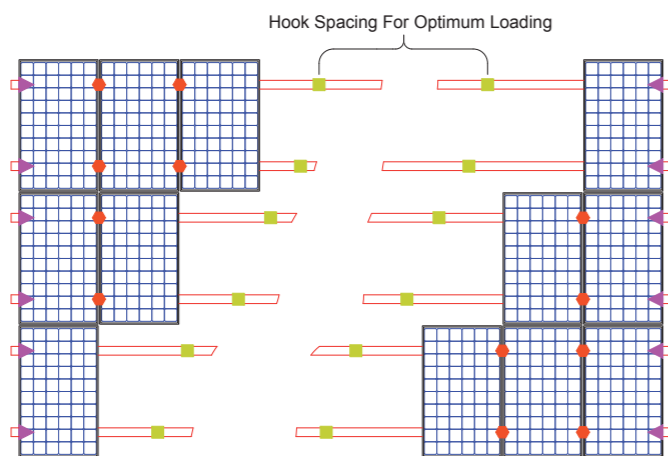
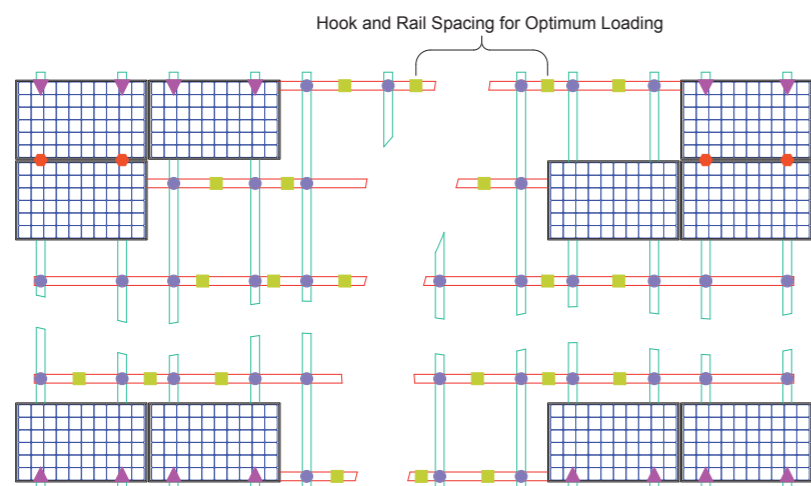


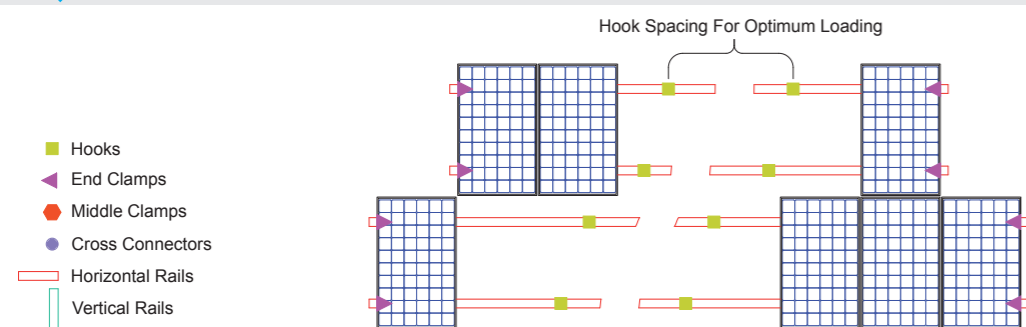
HOOK / RAIL LAYOUT PORTRAIT



HOOK / RAIL LAYOUT LANDSCAPE



HOOK / RAIL LAYOUT TRAPEZOIDAL



Fast mounting



Horizontal/vertical



Extendable



Pressure-resistant to 2,400 Pascal



Passed DLG resistance-to-ammonia test



Passed salt mist corrosion test (IEC 61701)

Sharp Energy Solution Europe - a division of Sharp Electronics (Europe) GmbH · Sonninstrasse 3, 20097 Hamburg, Germany · Tel: +49 (0) 40 / 23 76 - 27 11 · solarwebshop@sharp.eu

SHARP

www.sharp.eu/solar

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France SolarInfo.fr@sharp.eu

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Spain & Portugal SolarInfo.es@sharp.eu

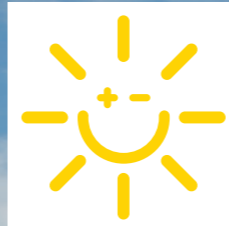
Switzerland SolarInfo.ch@sharp.eu

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Kit_3.12_4_0_E0312

SHARP

PV-Kit 3.12 to 4.0 kWp
For concrete, plain and slate tiles



Portrait or landscape, concrete, plain or slate tile / **This is Why** the Sharp PV-Kit portfolio has the right product to meet your needs.

Many features – and just as many benefits

Offering the highest standards in safety, durability, wind loading and ease of assembly, Sharp PV-Kits have been designed using components from some of the leading European solar equipment manufacturers. Each part has been selected for its high quality, speed of assembly and efficiency in use. Each kit includes PV modules, inverter, mounting system, fixings, AC & DC isolators, DC cable with connectors, export meter and warning labels. The Sharp PV-Kit is available in sizes ranging from 1.5 to 4.0 kWp, with larger systems or alternative layouts available on request. All the components are supplied by renowned top-class manufacturers and the system is tested to European technical standards as well as being GS, VDE and MCS certified.



MODULES



ND-195R15

ND-R250A5



Premium-quality modules

Sharp, a photovoltaics pioneer, can point to more than 50 years of experience in solar power. The solar cells and modules manufactured by Sharp deliver a total output of over 4 GWp, making Sharp one of the world's leading manufacturers of premium-quality modules. Sharp photovoltaic modules in the ND series are designed for applications with high power requirements. These quality polycrystalline modules produce a continuous, reliable yield, even under demanding operational conditions. The special profile of the horizontal framing provides safe drainage and ventilation, which hinders frost and corrosion damage to the modules.

INVERTERS

Best-in-class performance

Aurora inverters are made in Italy to the highest standards by Power-One, one of the worlds largest manufacturers of solar power inverters. They offer best-in-class performance and reliability along with a reassuring customer care package. We have selected the most efficient Aurora inverter to suit each system size and added a five year warranty extension as standard, giving you piece of mind for a full ten years.



PVI-3.0-TL-OUTD
PVI-3.6-TL-OUTD

CABLE

Perfect compatibility

Our DC cable comes pre-terminated with the same SMK connectors we use on our modules, guaranteeing perfect compatibility. The single cable length can be cut to suit your installation.

AC & DC ISOLATORS

Highest technical standards

AC and DC isolators from IMO, a company at the forefront of control component technology specifically designed for the solar energy market, have been developed to meet the highest technical and commercial standards. Explicitly developed for arduous DC disconnect applications, the IMO range of solar isolators feature an operator-independent trigger ratchet switching mechanism resulting in switching times of less than 5mS. High reliability knife-edge contacts and long arc cooling chambers ensure safe and effective isolation of DC voltages within solar installations. Moreover, IMO DC isolators are true DC switching isolators, not an AC type that has been de-rated or re-wired for DC operation.



AC ISOLATOR

DC ISOLATOR

EXPORT METER

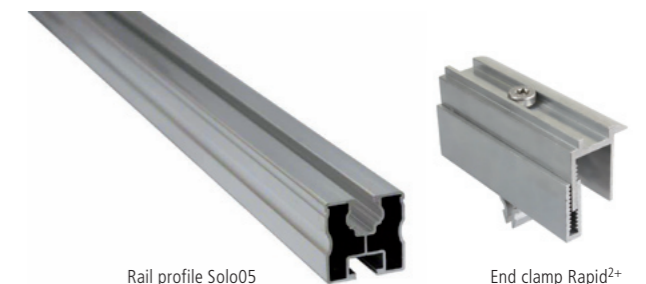


Elster A100C BS Single Phase Meter

Safe and reliable readings

This export meter made by Elster Metering, a global leader in innovative metering systems, is a cost-effective, compact yet advanced solution for one- or two-rate domestic applications. The main meter cover is permanently secured to the base for enhanced security. The meter registers and security data can be read electronically from a laptop or hand-held device, greatly reducing the possibility of manual meter reading errors.

MOUNTING SYSTEM



Rail profile Solo05

End clamp Rapid2+

"Made in Germany" quality

Exclusively produced in Germany and combining optimum structural dimensioning, short mounting times and economic efficiency with maximum durability, Schletter PV mounting systems are made up of high-value aluminium or high-grade steel components, including plain tile or Prefa roof hooks and Rapid2+, a newly developed solar mounting system for swift, safe and simple mounting on pitched roofs.

SHARP PV-KIT PORTFOLIO

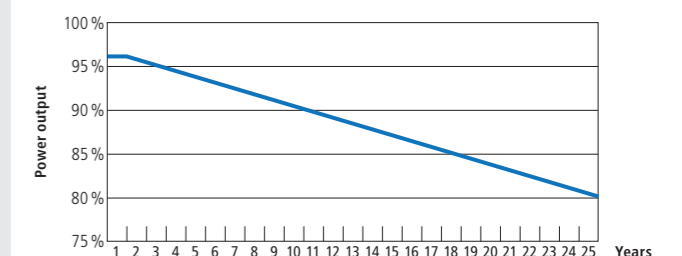
Sharp PV-Kit ¹	Sharp parts no.	Output (W)	Orientation ²	Rows	Columns	Tile type ³	Module	Inverter
3120W-ND-195R15-2-9+7-Portrait-C/P/S-PowerOne	L70DP9A7P3120x	3,120	P	9	7	C / P / S	ND-195R15	PVI-3.0-TL-OUTD
3120W-ND-195R15-2x8-Portrait-C/P/S-PowerOne	L70DP2X8P3120x	3,120	P	2	8	C / P / S	ND-195R15	PVI-3.0-TL-OUTD
3120W-ND-195R15-4x4-Landscape-C/P/S-PowerOne	L70DP4X4L3120x	3,120	L	4	4	C / P / S	ND-195R15	PVI-3.0-TL-OUTD
3120W-ND-195R15-4x4-Portrait-C/P/S-PowerOne	L70DP4X4P3120x	3,120	P	4	4	C / P / S	ND-195R15	PVI-3.0-TL-OUTD
3500W-ND-R250A5-2-8+6-Portrait-C/P/S-PowerOne	L70DP8A6P3500x	3,500	P	8	6	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD
3500W-ND-R250A5-2x7-Portrait-C/P/S-PowerOne	L70DP2X7P3500x	3,500	P	2	7	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD
3510W-ND-195R15-2x9-Portrait-C/P/S-PowerOne	L70DP2X9P3510x	3,510	P	2	9	C / P / S	ND-195R15	PVI-3.6-TL-OUTD
3750W-ND-R250A5-3x5-Landscape-C/P/S-PowerOne	L70DP3X5L3750x	3,750	L	3	5	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD
3750W-ND-R250A5-5x3-Landscape-C/P/S-PowerOne	L70DP5X3L3750x	3,750	L	5	3	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD
3900W-ND-195R15-2x10-Portrait-C/P/S-PowerOne	L70DP2X10P3900x	3,900	P	2	10	C / P / S	ND-195R15	PVI-3.6-TL-OUTD
3900W-ND-195R15-4x5-Portrait-C/P/S-PowerOne	L70DP4X5P3900x	3,900	P	4	5	C / P / S	ND-195R15	PVI-3.6-TL-OUTD
4000W-ND-R250A5-2x8-Portrait-C/P/S-PowerOne	L70DP2X8P4000x	4,000	P	2	8	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD
4000W-ND-R250A5-4x4-Landscape-C/P/S-PowerOne	L70DP4X4L4000x	4,000	L	4	4	C / P / S	ND-R250A5	PVI-3.6-TL-OUTD

¹Since every Sharp PV-Kit is available for concrete, plain and slate tiles, the name of the Sharp-PV Kit contains a C, S or P (see grey markings), as appropriate. ²L = Landscape, P = Portrait ³C = Concrete, P = Plain, S = Slate

Dimensions (mm)	Array		Parts list no.
	Height	Width	
2,656	9,206		C = 160, P = 164, S = 168
2,656	8,192		C = 76, P = 90, S = 104
4,136	5,332		C = 116, P = 124, S = 132
5,332	4,136		C = 77, P = 91, S = 105
3,324	8,192		C = 136, P = 140, S = 144
3,324	7,178		C = 10, P = 21, S = 32
2,656	9,206		C = 78, P = 92, S = 106
3,122	8,340		C = 42, P = 53, S = 64
5,150	4,996		C = 43, P = 54, S = 65
2,656	10,220		C = 79, P = 93, S = 107
5,332	5,150		C = 80, P = 94, S = 108
3,324	8,192		C = 11, P = 22, S = 33
4,136	6,668		C = 44, P = 55, S = 66

MODULE PERFORMANCE

- 10-year product guarantee
- 25-year linear performance guarantee on the power output
 - Minimum 96% of the specified minimum power output after one year
 - Maximum 0.667% annual reduction of the power output for following 24 years
 - Minimum 80% of the specified minimum power output after 25 years



CERTIFICATES AND APPROVALS

- All modules are tested and certified according to
- IEC 61215, IEC 61730, IEC 61701, IEC 62716
 - Safety class II / CE
 - MCS accredited product (MCS PV0007)