

SolCasa Series — SLS3KH65 / SLS4KH65 / SLS5KH65

Model	SLS3KH65	SLS4KH65	SLS5KH65
DC Input Data			
Max. PV - generator power	3200 W	4200 W	5200 W
Max. DC voltage	550 V	550 V	550 V
MPPT voltage range	175 - 500 V	200 - 500 V	225 - 500 V
Turn - off DC voltage	100 V	100 V	100 V
Max. DC current	17 A	21 A	24 A
Nominal DC current	17 A	21 A	24 A
Number of DC connections	2	2	2
Number of MPPT trackers	1	1	1
DC - connection	MC4 or Amphenol Helio		
DC - switch	Yes , standard		
AC Output Data			
AC connector	Plug - in connector		
Power connection	Single phase		
Nominal AC power	3000 W	4000 W	5000 W
Max. AC power	3000 W	4000 W	5000 W
Nominal AC voltage	195 - 260 V		
Nominal AC frequency	50 / 60 Hz		
Nominal AC current	13 A	17.4 A	21 A
Max. AC current	13 A	17.4 A	21 A
Power factor	≥ 0.99	≥ 0.99	≥ 0.99
THD of AC current	< 3 %	< 3 %	< 3 %
Power consumption at night	< 2 W	< 2 W	< 2 W
Power consumption at standby	< 5 W	< 5 W	< 5 W
Efficiency			
Max. efficiency	97.40 %	97.50 %	97.50 %
Euro efficiency	96.40 %	96.50 %	96.50 %
MPPT adaptation efficiency	> 99.5 %	> 99.5 %	> 99.5 %
Safety Equipment			
DC insulation monitoring	Integrated		
Earth fault protection	Integrated		
Mains monitoring	Integrated		
Earth fault current monitoring	Integrated		
Islanding effect monitoring	Integrated		
General Data			
Dimensions (L × W × H) (mm)	460 × 315 × 175	485 × 315 × 175	485 × 315 × 175
Net weight (kg)	20	21	21
Installation environment	Indoor and outdoor		
Mounting information	Wall mount		
Operating temperature	- 20 °c to + 60 °c (up 40 °c derating)		
Relative humidity	95 % , no condensation		
Site altitude	Up to 2000m without derating above sea level		
IP protection type	IP 65		
Isolation type	Transformerless		
Cooling concept	Free convection	Forced convection	Forced convection
Noise level	< 40 dBA		
LED display	Yes		
LCD display	Graphic		
Computer communication	RS485		
Standard warranty	5 years		

Features



Efficiency — we work smarter !

- Max 97.4%, EU 96.4%, MPPT efficiency >99.5%
- DC turn-on voltage at 100V – we start earlier !



Reliability — we are tougher!

- Sourcing from top global brands
- Rigid in-house reliability test (Damp Heat, Humid Freezing, Thermal Cycle, etc.) ensures durability
- Full inspection and ATE test for all products from the line, aging-test 24hours before delivery



Temperature performance — we love sunshine!

- Proprietary industrial design dissipates heat more effectively
- New and patented topology allocates working-load more effectively, reducing risks of exhaustion on one certain power semi-device



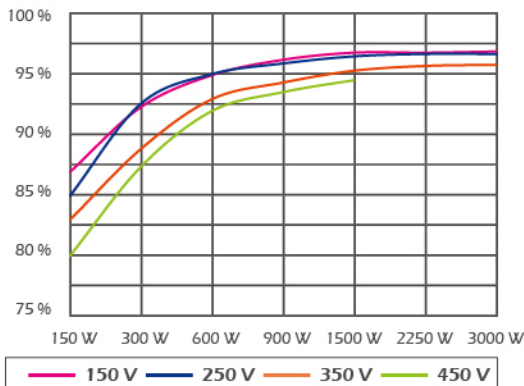
Aesthetic and flexibility — somos simpáticos!

- IP65, Wall-mount design with standard PV plugs
- Aesthetic design
- 3-inch user-friendly display



Efficiency Curve for SolCasa Series

Flat efficiency curves ensure high efficiency across entire input voltages and output power range



Novel H6 topology

Our novel H6 topology adds an additional power semi switching device, which mitigates the risk of overworking on one link of the circuit, in addition to the high efficiency achieved.

