

Helios Single Phase Inverter with single MPPT

RCM-0.6-SP-S/0.7-SP-S/1.1-SP-S/
1.5-SP-S/2.0-SP-S/2.5-SP-S/
3.0-SP-S/3.3-SP-S

**IP66
PROTECTION**

**MAX
EFFICIENCY
98%**



- Mass management and broad extension via Datahub

High Adaptability



- Zero- export feed-in operation
- Adapt to Home EV Charger Solution

- I-V curve diagnosis supported
- Built-in export control function

Safe and Reliable



- Support external Rapid Shutdown device (RSD)

- DC Input: 200% oversizing, 16A current, 40~450V wider MPPT voltage range

Upgraded Performance



- In-built global MPP scan for higher yields

TECHNICAL PARAMETERS

Model	RCM-0.6-SP-S	RCM-0.7-SP-S	RCM-1.1-SP-S	RCM-1.5-SP-S	RCM-2.0-SP-S	RCM-2.5-SP-S	RCM-3.0-SP-S	RCM-3.3-SP-S
DC Input								
Max. PV array input power [Wp]	1200	1400	2200	3000	4000	5000	6000	6600
Max. PV input voltage [V]	450	450	450	450	450	550	550	550
Startup voltage [V]	50	50	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	40~450	40~450	40~450	40~450	40~450	40~550	40~550	40~550
No. of MPP trackers/Strings per MPP tracker	(1/1)							
Max. PV input current [A]	16							
Isc PV Array Short Circuit current [A]	22							
AC Output								
Rated AC output power [W]	600	700	1100	1500	2000	2500	3000	3300
Rated AC output current [A]	2.6	3.1	4.8	6.5	8.7	10.9	13.1	14.4
Max. AC output apparent power [VA]	600	770	1210	1650	2200	2750	3300	3300
Max. AC output current [A]	3	3.5	5.5	7.5	10	12.5	15	15
Nominal AC voltage/AC voltage range [V]**	220/230/240;90~285					220/230/240;90~290		
Nominal AC frequency/AC frequency range [Hz]**	50/60;±5							
Power Factor range	0.8 leading~0.8 lagging							
THDi (Rated power) [%]	< 3							
System Data								
Max. efficiency [%]	98	98	98	98	98	98	98	98
Euro. efficiency [%]	96	96	96	97	97	97	97	97
Standby consumption [W] @Night	<1							
Ingress protection	IP66							
Protection class	Class I							
Over voltage category	II (DC), III (AC)							
Operating ambient temperature range [°C]	-25~60							
Max. operation altitude [m]	<4000							
Humidity [%]	0~100							
Typical noise emission [dB]	25							
Storage temperature [°C]	-30~70							
Dimensions (W×H×D) [mm]	290×206×120							
Weight [kg]	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5
Cooling concept	Nature cooling							
Communication interfaces	USB/RS485/DRM, Optional: Meter/CT *							
Monitoring dongle	WiFi (Included) (Optional: LAN/4G/Wifi plus)							
Display	2 x LED + LCD (16 x 2) / APP							
Protection								
Over/under voltage protection	Yes							
DC isolation protection	Yes							
Monitoring ground fault protection	Yes							
Grid monitoring	Yes							
DC injection monitoring	Yes							
Back feed current monitoring	Yes							
Residual current detection	Yes							
Anti-islanding protection	Yes							
Over temperature protection	Yes							
Arc-fault circuit interrupter (AFCI)	Optional							
AC auxiliary power supply (APS)	Optional							
DC Switch	Integrated							
Standard								
Safety	EN/IEC62109-1/2							
EMC	EN61000-6-1/2/3/4; EN61000-3-2/3/11/12							
Certification	IEC61727, EN50549, G98/G99, AS 4777.2, VDE4105, CEI 0-21, VFR							

* Not included in the package. Please purchase additionally. ** The AC voltage and the frequency range may vary from different country codes