

Apollo Single Phase Inverter with Dual MPPT

RCM-2.5-SP-D/3.0-SP-D/3.3-SP-D/
3.6-SP-D/4.2-SP-D/
5.0-SP-D/6.0-SP-D

**IP66
PROTECTION**

**MAX
EFFICIENCY
98%**



- Home EV Charger and Heat Pump Solution adaptable

Superior Adaptability



- Mass management and broad extension via Datahub
- Zero-export feed-in operation

- 10s level interval of data update (Optional: RCM-WiFi plus required)

User Friendly Monitoring



- Quick and easy configuration (WiFi & APP)

- DC Input: 200% oversizing, 16A current
- 50V startup voltage

Upgraded Performance



- In-built global MPP scan for higher yield efficiency

TECHNICAL PARAMETERS

Model	RCM-2.5-SP-D	RCM-3.0-SP-D	RCM-3.3-SP-D	RCM-3.6-SP-D	RCM-4.2-SP-D	RCM-5.0-SP-D	RCM-6.0-SP-D
DC Input							
Max. PV array input power [Wp]	5000	6000	6600	7200	8000	10000	12000
Max. PV input voltage [V]	600	600	600	600	600	600	600
Startup voltage [V]	50	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360	360
MPP tracker voltage range [V]	40~560	40~560	40~560	40~560	40~560	40~560	40~560
No. of MPP trackers / String per MPP tracker	2 / 1						
Max. PV input current [A]	16 / 16						
Isc PV Array Short Circuit current [A]	22 / 22						
AC Output							
Rated AC output power [W]	2500	3000	3300	3680	4200	5000 ¹	6000
Rated AC output current [A]	10.9	13	14.3	16	18.3	21.7	26.1
Max. AC output apparent power [VA]	2800	3300	3630	4048 ⁴	4620	5000 ²	6000
Max. AC output current [A]	13.3	14.3	15.7	17.6 ⁵	20.1	21.7 ³	27.3
Nominal AC voltage / AC voltage range [V]**	220/230/240;90~290						
Nominal AC frequency / AC frequency range [Hz]**	50/60;±5						
Power Factor range	0.8leading~0.8lagging						
THDi (Rated power) [%]	<3						
System Data							
Max. efficiency [%]	98						
Euro. efficiency [%]	97						
Standby consumption [W] @Night	<3						
Ingress protection	IP66						
Operating ambient temperature range [°C]	-25~60						
Max. operation altitude [m]	4000						
Relative Humidity [%]	0~100						
Typical noise emission [dB]	25 ⁶						
Storage temperature [°C]	-30~70						
Dimensions (W×H×D) [mm]	404×274×146						
Weight [kg]	11						
Cooling concept	Nature cooling						
Communication interfaces	USB/RS485/DRM, Optional: Meter/CT *						
Monitoring dongle	WiFi (Included) (Optional: LAN/4G/RCM-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						
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						

¹ 5000 (4600 for VDE4105) • ² 5000 (4600 for VDE4105) • ³ 21.7 (20 for VDE4105) • ⁴ 4048 (3680 For G98/G99, TOR and PPDS) • ⁵ 17.6 (16 For G98/G99, TOR and PPDS)⁶ For models with internal fan (Optional), typical noise emission is 30 dB

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