

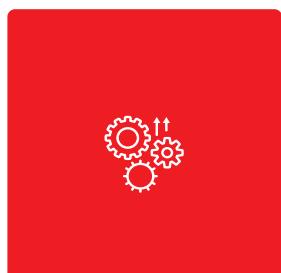
# Atlas Three Phase Inverter with Dual MPPT

**IP66  
PROTECTION**

**MAX  
EFFICIENCY  
98,3%**



RCM-3-TP-D/4-TP-D/5-TP-D/6-TP-D/  
8-TP-D/10-TP-D/12-TP-D/15-TP-D



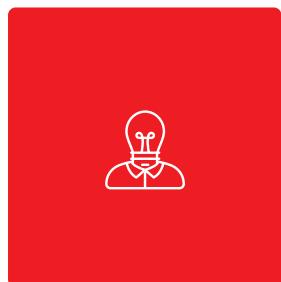
## High-efficiency

- Maximum efficiency is up to 98.3%
- Low startup voltage, ultrawide MPPT voltage range
- 200% oversizing, 110% overloading output (Except 15kW model)
- Built-in shadow tracking function



## Economic

- Ultra-high power density
- Support high power solar panel



## Smart

- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- Intelligent load management - heat pump (Optional)
- Multiple monitoring methods, WiFi V3.0 (Included) / LAN / 4G / WiFi V3.0 plus (Optional)

**THREE PHASE: RCM-3-TP-D/4-TP-D/5-TP-D/6-TP-D/8-TP-D/10-TP-D/12-TP-D/15-TP-D**

**TECHNICAL PARAMETERS**

Model	RCM-3-TP-D	RCM-4-TP-D	RCM-5-TP-D	RCM-6-TP-D	RCM-8-TP-D	RCM-10-TP-D	RCM-12-TP-D	RCM-15-TP-D				
<b>DC Input</b>												
Max. PV array input power [Wp]	6000	8000	10000	12000	16000	20000	24000	30000				
Max. PV input voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000				
Startup voltage [V]	150	150	150	150	150	150	150	150				
Nominal input voltage [V]	640	640	640	640	640	640	640	640				
MPP tracker voltage range [V]	120~980	120~980	120~980	120~980	120~980	120~980	120~980	120~980				
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(2/1)	2(2/1)				
Max. input current [A]	16/16	16/16	16/16	16/16	16/16	16/16	32/16	32/16				
Max. short circuit current [A]	20/20	20/20	20/20	20/20	20/20	20/20	40/20	40/20				
<b>AC Output</b>												
Nominal AC output power [W]	3000	4000	5000	6000	8000	10000	12000	15000				
Nominal AC output current [A]	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.7/21.8				
Max. AC output apparent power [VA]	3300	4400	5500	6600	8800	11000	13200	15000				
Max. AC output current [A]	4.8	6.4	8.0	9.6	12.8	16.0	19.1	22.7				
Nominal AC voltage [V]	220/380V, 230/400V, 3/N/PE											
Nominal grid frequency/ Grid frequency [Hz]	50/60											
Displacement power factor	0.8 leading-0.8 lagging											
THDi (Rated power) [%]	< 3											
<b>System Data</b>												
Max. efficiency [%]	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3				
Euro efficiency [%]	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
Standby consumption (night) [W]	<3											
Ingress protection	IP66											
Operating temperature range [°C]	-30~+60 (Derating above 45)											
Max. operation altitude [m]	4000 (Derating above 3000)											
Relative humidity [%]	0~100											
Typical noise emission [dB]	<30	<30	<30	<30	<45	<45	<50	<50				
Storage temperature [°C]	-30~+60											
Dimensions (W×H×D) [mm]	342*434*144.5				342*434*156							
Weight [kg]	15.5	15.5	15.5	15.5	17	17	18	18				
Cooling concept	Natural cooling				Smart fan cooling							
Communication interfaces	USB / RS485 / DRM / WiFi (Optional: LAN / 4G / WiFi V3.0 plus) / Adapter box (Optional)											
<b>Protection</b>												
Over/under voltage protection	YES											
DC isolation protection	YES											
DC reverse 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											
SPD (DC/AC)	Type III / Type III											
<b>Standard</b>												
Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004											
EMC	IEC/EN 61000; NB/T 32004											
Certification	VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004											