

# Zeus Three Phase High Voltage Inverter with multi MPPT

RCM-300-TP-M-HV/320-TP-M-HV  
/333-TP-M-HV/350-TP-M-HV



**IP66  
PROTECTION**

**MAX  
EFFICIENCY  
99%**

- IP66 protection level and NEMA4X for US
- AFCI protection (Optional)

## Safety and Reliability



- AC terminal temperature detection
- Both AC & DC SPDs (Type II) inside, Type I+II SPD is optional

- Maximum efficiency up to 99%
- 500~1500 Vdc MPPT voltage range

## High Performance



- Maximum 6 MPPTs, 5 strings per MPP tracker
- Maximum 75A MPPT current

- Smart IV curve scan for early PV diagnosis
- Remote setting and upgrading

## Economy and Maintenance



- 24 hours operation monitoring
- Power line communication (PLC) (Optional)



TECHNICAL PARAMETERS

Model	RCM-300-TP-M-HV	RCM-320-TP-M-HV	RCM-333-TP-M-HV	RCM-350-TP-M-HV
<b>DC Input</b>				
Max. PV input voltage [V]	1500			
Nominal input voltage [V]	1080			
Start-up voltage [V]	500			
MPPT voltage range [V]	500~1500			
Max. PV input current per MPPT [A]	75			
Max. input short circuit current I <sub>sc</sub> per MPPT	115			
No. of MPP trackers	6			
Strings per MPP tracker	5			
<b>AC Output</b>				
Rated AC output power [kVA]	300	320	333	352
Rated AC output current [A]	216.6	231	240	254
Max. AC output apparent power [kVA]	330	352	333	352
Max. AC output current [A]	238.2	254	254	254
Nominal AC voltage [V]	3W+PE, 800V	3W+PE, 800V	3W+PE, 800V	3W+PE, 800V
AC voltage range [V]	640-920	640-920	640-920	640-920
Nominal AC frequency [Hz]	50/60	50/60	50/60	50/60
Power Factor range	>0.99 (0.8 leading-0.8 lagging)			
THDi (Rated power) [%]	< 1			
<b>Efficiency</b>				
Max. efficiency [%]	99			
European weighted efficiency [%]	98.80			
<b>General</b>				
Dimensions (WxHxD)	1199.5 x 825 x 368.3 mm			
Net weight	<120 Kg			
Topology	Non-isolated			
Standby consumption (night)	<15W			
Operating ambient temperature range	-30 ~ + 60°C			
Relative humidity	0-100%			
Ingress protection	IP66 / NEMA4X			
Cooling concept	Smart fan-cooling			
Max. operation altitude without derating	4000m			
DC connection	MC4 (Max. 6 mm <sup>2</sup> )			
AC connection	OT/DT terminal (Max. 400 mm <sup>2</sup> )			
Display	LED, LCD (Optional), APP			
Communication	RS485/USB/(Optional:WiFi/LAN/4G/PLC)/DI/Sunspec/2030.5/Modbus_RTU/Modbus_TCP			
<b>Protection</b>				
DC switch	YES			
DC reverse protection	YES			
Over current protection	YES			
Over voltage protection	YES			
Anti-islanding protection	YES			
SPD (DC/AC)	Type II (Optional: Type I+II)			
Arc-fault circuit interrupter (AFCI)	Optional			
AC terminals over temperature detection	YES			
Nighttime SVG	YES			
Fan self-cleaning	YES			
AC auxiliary power supply (APS)	YES			
Power line communication (PLC)	Optional			