

Solar Water Pump Controller



CM-SPC33

132-200KW



Up to 99.8% MPPT
Efficiency



Multi Pump Protection



AM PMSM Single Phase,
Multi Types of Pumps



Automatic Hybrid
Compensation



Automatic Start & Stop



Zero Programming



CM-SPC33

132-200KW

MODEL NAME	CM-SPC 33-132KW		CM-SPC 33-160KW	CM-SPC 33-200KW
DC Input				
Max. Input Voltage [V]			900	
Start Voltage [V]			350	
Min. Input Voltage [V]			220	
MPPT Voltage Range [V]			500~750	
Recommended Input Working Voltage [V]			560	
Recommended PV Array Power [kW]	158~211		192~256	240~320
AC Input				
Input Voltage [V]			3PH 380-480	
Input Frequency [Hz]			50/60	
AC Output				
Output Power [kW]	132		160	200
Rated Current [A]	253		304	377
Output Voltage [V]			3PH 0-380/480	
Output Frequency [Hz]			0-50/60	
Control Performance				
Control Mode			V/F, SVC	
Overload Capability	150% of rated current:60 seconds;180% of rated current:1 seconds			
Protection				
Undervoltage Protection			Integrated	
Overvoltage Protection			Integrated	
Overload Protection			Integrated	
Short-circuit Protection			Integrated	
Overheat Protection			Integrated	
Lack of Water Protection			Integrated	
Surge Protection			Integrated	
General Data				
MPPT Efficiency			99.8%	
Ingress Protection Degree			IP20	
Cooling Mode			Air cooling	
Communication Interface	RS485 communication interface			
Ambient Operating Temperature	-20℃ ~ 60℃(>45℃, rated power will be derated for 1% by every additional 1℃)			
Operation Altitude	Below 2000 meters, there is no need to derate, 2000-3000 meters, each increase of 100 meters, derate 1%			
Physical Dimension [H*W*D] [mm]	1199*502*355		1570*600*408	1696*800*246.3
Weight [kg]	87.68		88.42	179.8
Standard Warranty [Month]	18			

Note: Inductor is suggested to be added to the solar pumping system if the distance between solar pump controller and water pump is over 50m.