

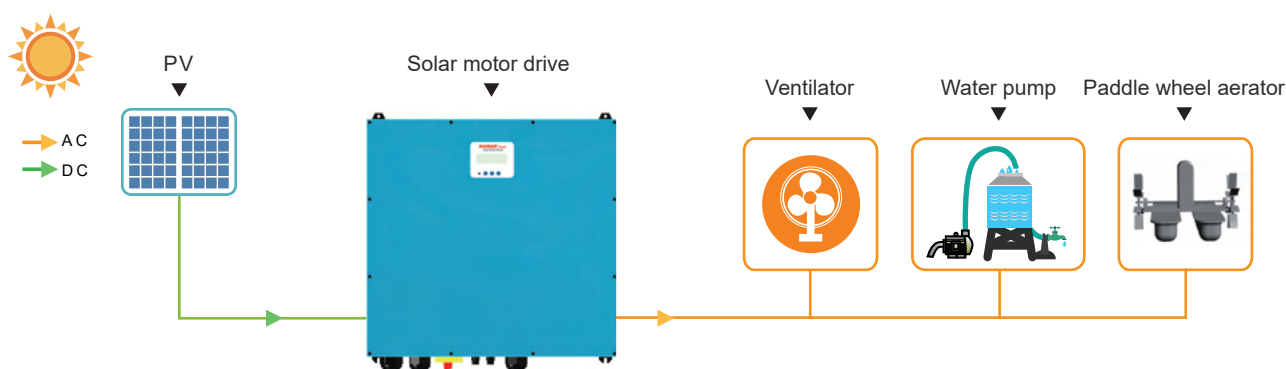
| Solar Motor Drive |



- Excellent performance powered by proprietary MPP program.
- Fully automatic operation with protective functions for long service life.
- Wide suitability for agriculture water pumps, aquaculture aerators, industrial ventilators.
- Batteryless system capable of delivering max. available power even in low light conditions.

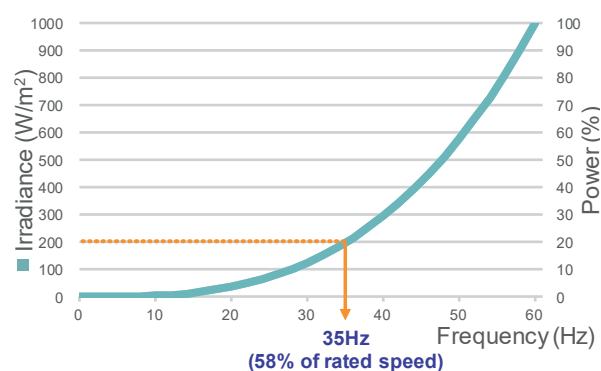
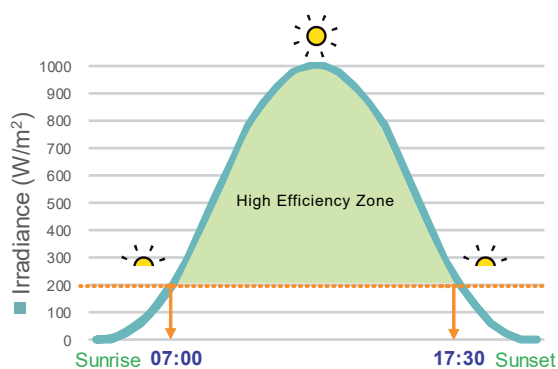


S System Diagram



S Solar Motor Drive Characteristics

Hamak proprietary MPP algorithm



Product Specification

Series	HA-PVMT					
Model	PVMT1500	PVMT2200	PVMT3700	PVMT1500-H	PVMT2200-H	PVMT3700-H
Max. Applicable Motor Capacity	2HP	3HP	5HP	2HP	3HP	5HP
DC Input						
Input Voltage Range*	250~390Vdc			480~800Vdc		
Startup Voltage	300Vdc			520Vdc		
MPPT Voltage Range	250~350Vdc			480~700Vdc		
Max. Input Current	12.5A	25A	12.5A		25A	
Number of Input	1 Pair MC4					
AC Output						
Current	8A	12.5A	19.5A	4.6A	6.5A	10.5A
Rated Power	1.5kW	2.2kW	3.7kW	1.5kW	2.2kW	3.7kW
Rated Output Voltage	220Vac, 3-Phase Induction Motor			380/400/415/440Vac, 3-Phase Induction Motor		
Efficiency (Full Load)	>98%					
Frequency	0~50Hz/0~60Hz					
AC Connectors	Waterproof connector					
Remote						
Analog Input(DC)	4~20mA ; 0~10Vdc					
Digital Input	ON/OFF					
Power Supply	24Vdc					
Sensor Connectors	Waterproof connector					
Protection						
Protective Types	PV reverse polarity / Over temperature protection / Earth Leakage Current protection					
General Data						
Operating Temp.	-10℃~+50℃					
Cooling	Cooling fans					
User Interface	LCD					
Protection Degree	IP54					
Enclosure	Galvanized steel with powder coating					
Dimensions (W×H×D)	345×345×162mm					
Weight	7.7 kg					
Compliance	CE conformity					
Optional Accessory						
Power Switch Box	Switch to alternate power sources by Manual, Timer or Radiation sensor					

* The voltage of the entire PV system depends strongly upon the temperature and should be matched with the input voltage range of solar motor drive at extreme temperatures.

- All specifications are subject to change without prior notice. Please contact with us for updated information.



Product Specification

Series	HA-PVMT					
Model	PVMT5500	PVMT7500	PVMT5500-H	PVMT7500-H	PVMT11000-H	PVMT15000-H
Max. Applicable Motor Capacity	7.5HP	10HP	7.5HP	10HP	15HP	20HP
DC Input						
Input Voltage Range*	250~390Vdc		480~800Vdc			
Startup Voltage	300Vdc		520Vdc			
MPPT Voltage Range	250~350Vdc		480~700Vdc			
Max. Input Current	55A					
Number of Input	3					
Fuse	20A/string					
SPD	8/20u sec 20kA					
SPD Fault Indicator	Molded case fault indicator					
Disconnect Switch	55A / String					
AC Output						
Current	27A	36A	15.7A	17A	25A	32A
Rated Power	5.5kW	7.5kW	5.5kW	7.5kW	11kW	15kW
Rated Output Voltage	220Vac, 3-Phase Induction Motor		380/400/415/440Vac, 3-Phase Induction Motor			
Efficiency (Full Load)	>98%					
Frequency	0~50Hz/0~60Hz					
Sensor Interface						
Analog Input	4~20mA : 0~10Vdc x 2 sets					
Digital Input	ON/OFF x 2					
Power Supply	24Vdc x2					
Communication	RS485					
Protection						
Protective Types	PV reverse polarity / Over temperature protection / Earth Leakage Current protection					
General Data						
Operating Temp.	-10°C~+50°C					
Cooling	Cooling fans					
Display	LCD					
Protection Degree	IP54					
Enclosure	Galvanized steel with powder coating					
Dimensions (W×H×D)	474×584×230mm					
Weight	20.5 kg	22 kg	20.5 kg		22 kg	
Compliance	CE conformity					

* The voltage of the entire PV system depends strongly upon the temperature and should be matched with the input voltage range of solar motor drive at extreme temperatures.

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HAMAK[®] Solar

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