

AC-Coupled Micro Storage System

HYX-M3000/3750/4200-S

HYX-M3000/3750/4200-SW

Version 1.1-2603

Design and specifications are subject to change without notice



Reliable

- Low-voltage operation below 60V
- Built-in relay for physical disconnection
- P67 degree of protection, adaptable to diverse scenarios
- Non-derating under 70°C



Simple

- Hook type design
- Easy expansion, plug-and-play



Efficient

- Module-level MPPT, output power up to 4200 VA
- 40A max. input current, compatible with 182/210 modules 16V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity



Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring
- Remote software upgrade, parameter configuration, alarm fault analysis

Technical Specifications

HYX-M3000/3750/4200-S

HYX-M3000/3750/4200-SW

Product Model	HYX-M3000-S HYX-M3000-SW	HYX-M3750-S HYX-M3750-SW	HYX-M4200-S HYX-M4200-SW
Input (DC)			
Min./Max. MPPT Voltage		16 - 60V	
Max. Input Voltage		65V	
Start-up Input Voltage		16V	
Max. Input Current		6*20A	
Max. Short-circuit DC Input Current		25A	
Number of MPPT		3	
Max. Input Number Per MPPT		6	
Output (AC)			
Nominal Output Power	3,000VA	3,750VA	4,200VA
Nominal Output Current	13.63A	17.05A	19.09A
Nominal Output Voltage		220V	
Adjustable Output Voltage Range		176 - 288V	
Nominal Frequency		60 / 55 - 65Hz	
Power Factor (default / adjustable)		>0.99 / 0.8 leading...0.8 lagging	
THDi		< 3%	
AC Cable		10AWG	

Technical Specifications

HYX-M3000/3750/4200-S
HYX-M3000/3750/4200-SW

Product Model	HYX-M3000-S HYX-M3000-SW	HYX-M3750-S HYX-M3750-SW	HYX-M4200-S HYX-M4200-SW
Efficiency			
Peak Efficiency	96.5%		
Nominal MPPT Efficiency	99.9%		
Night-time Power Loss	< 100mW		
General Data			
Operating Ambient Temperature	- 40 to + 70°C		
Dimensions (W*H*D)	391*298*55mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	7.5kg		
Features			
Communication ¹	Sub-1G / Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
Protection			
Input Reverse Connection Protection	Yes		
Output Overcurrent Protection	Yes		
Output Overvoltage Protection	Yes		
Anti-islanding Protection	Yes		
Output Short-circuit Protection	Yes		

1: Sub-1G: HYX-M3000/3750/4200-S, Built-in WiFi: HYX-M3000/3750/4200-SW