

FM-HYB

CE MSDS IEC UL ISO UN38.3 CEI 0-21



Full Power UPS Mode

Seamless transition to backup mode to assure an uninterrupted power supply



Active Safety

AFCI active arcing protection



High PV Input Power

50% higher than competitors



Product Certification

CE, VDE, CEI, RD, UKCA, etc

MODEL	FM-HYB-3600	FM-HYB-5000	FM-HYB-6000
Input (DC)			
Recommend max. PV input power	8700 Wp	10.000 Wp	11.000 Wp
Max. PV input voltage		600 V	
Min. operating PV voltage		40 V	
Start-up input voltage		50 V	
Rated PV input voltage		360 V	
No.of independent MPPT inputs/ Strings		2/1	
Input/Output (AC)			
Max. AC input power from grid	8.700 VA	10.000 VA	11.000 VA
Rated AC output power	3.680 W	5.000 W	6.000 W
Max. AC output power	3.680 VA	5.000 VA	6.000 VA
Rated AC voltage		220 V / 230 V / 240 V	
AC voltage range		154-276 V	
Rated grid frequency		50 Hz / 60Hz	
Grid type		Single phase	
Efficiency			
Max. efficiency	97.5 %		97.7 %
European efficiency	97.0 %		97.3 %
Protection & Function			
Protection	DC reverse polarity / AC short circuit / Leakage / Battery input reverse polarity		
Surge Protection		DC type II / AC type II	
DC switch (PV)/DC fuse (battery)		Yes	
Battery input reverse polarity protection		Yes	
Battery Data			
Battery type		Li-ion battery	
Battery voltage		40-59 V	
Max. charge / discharge current		100 A	
Max. charge / Discharge power		5.000 W	
General Data			
Dimension W*D*H (mm)		600*365*180	
Packing Dimension W*D*H (mm)		677*546*324	
Net weight (kg)		<27 kgs	
Gross weight (kg)		<30 kgs	
Degree of protection		IP65	
Operating ambient temperature range		-25°C ~ 60°C, 0 ~ 100%	
Max. operating altitude		4.000 m	
Backup Data (On Grid Model)			
Rated output power for backup load		6.000 W	
Rated output current for backup		27 A	
Backup Data (Off Grid Model)			
Rated voltage		220 V / 230 V / 240 V (±2%)	
Frequency range		50 Hz / 60 Hz (±0.5%)	
Rated output power	3.680 W / 3.680 VA	5.000 W / 5.000 VA	6.000 W / 6.000 VA
Peak output power		8.400 VA, 10s	
Certificates			
General certificates		IEC / EN 62109-1/2; EN61000	
Grid standard		EN50438; RD1663; RD1699; G83; G59; G99; PTPIREE+NCRFG	