

TYPE	FP1103	FP1105	FP1106	FP1108	FP1110
Power (kVA)	3	5	6	8	10
Power (kW)	2,4	4,5	5,4	7,2	9
INPUT					
Phase Configuration	1Ph + N + PE				
Nominal Voltage	220V/230/240V				
Minimum Voltage	160V	180V			
Maximum Voltage	288V	280V			
Frequency	± 5 Hz	45-65 Hz			
Power Factor	0,99				
OUTPUT					
Power Factor	0,8	0,9			
Phase Configuration	1Ph + N + PE				
Nominal Voltage	220V / 230 / 240V (adjustable)				
Wave Form	Pure Sine Wave				
Total Harmonic Distortion at 100% linear load	<3%				
Frequency	50Hz or 60Hz (adjustable)				
Frequency Tolerance(free running)	±0,2 %				
Static Voltage Regulation (0%-100% load)	<1%				
Crest Factor	03:01				
Transfer Time	0sec				

Overload	30sec @ (%106-%120)	2min @ (%100-%120)	
	10sec @ (%120-%150)	30sec @ (%120-%150)	
	Transfer to bypass @ %150		
Total Efficiency*	≥90%	≥92%	
BATTERY			
Type	Maintenance-free lead acid batteries		
Recharge Time	4-6h up to 90%		
Voltage	72VDC	240VDC (20 pcs 12V Batteries)	
	(6 pcs 12V Batteries)		
Cold Start	Present		
DISPLAY			
LED + LCD Display	Line Mode, Back up Mode, Eco Mode, Bypass Supply, Battery Low, Battery Bad/Disconnect, Overload, UPS Fault, Interruption during transfer		
LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load%, Battery Voltage, Internal Temperature		
Self Diagnostics	Upon Power On, Front Panel Setting and Through Software Control, 24h routine Check		
PROTECTION			
Overload Protection	Bypass transfer time is calculated by simulating a temperature related model of a fuse		
Short Circuit Protection	Acts as the ideal current source during the short circuit time		
Other Protection	Against excessive (heat,voltage,current) intense battery discharge		
COMMUNICATION			
Interface (Communication ports)	Standard RS232 port and optional RS485, Internal SNMP, Dry Contact Cards		
ENVIRONMENT			
Operating Temperature	0 °C.... + 40°C		

Proposed Temp. to extend battery life	20 - 25 °C		
Humidity	up to 90% (non-condensing)		
Audible Noise at 1 m	<50 dB		
PHYSICAL SPECIFICATIONS			
Dimensions(mm) (HxWxD)	449x226 x454	585x255x741	
Weight - without battery	19	30	38
STANDARS			
EMC	EN62040-2		
LVD	EN62040-1-1		
PROTECTION	IP20		
*Global Efficiency depends on UPS power and environmental conditions.			