



UPS Evo DSP Plus RM 6.0-10.0 PF 1

POWER
FACTOR 1

- 1 LCD display 2 LED status light 3 Multifunction buttons 4 USB port 5 RS232 port 6 EPO connector 7 Slot for SNMP, Dry Contact or MODBUS
8 Input/output Terminal Box 9 Input network switch 10 Battery Box connector 11 Interface for parallel connection

Main Specifications

- For Local Area Network (LAN), Data Centers
- Power factor 1
- Rectifier realized by IGBT technology
- Compatible with Generators
- Battery charging system controlled by microprocessor
- Static Bypass
- Expandable up to 2 units in parallel
- UPS Management Software TecnoManager compatible with Windows, Mac OS X, Unix, Linux, etc.

HIGH
EFFICIENCY
94%**Specifications**

UPS Model	EVO DSP PLUS 6.0 RACK MOUNT PF 1	EVO DSP PLUS 10.0 RACK MOUNT PF 1
Code	FGCEDP6MM2RM/00	FGCEDP10MM2RM/00
Nominal power	6 KVA	10 KVA
Active power	6 KW	10 KW
Power factor	1	
Technology	On-Line Double Conversion transformerless (VFI-SS-111)	
Cooling	Fan cooling	
Audible noise	< 48 dBA to 1 m	
Dimension (UPS) WxHxD	43,8x8,8x51,5 (2U)	
Dimension (with packing) WxHxD	59x22x71 cm	
Weight	11 Kg	13 Kg
Equipped with	1 serial cable, Tecnomanager software and 2 metal handle for 19" Rack cabinet mounting	
Input		
Number of phases	1Ph+N	
Nominal voltage	208Vac/220Vac/230Vac/240Vac	
Input voltage range	176Vac-300Vac from 50% to 100% load, 110Vac-300Vac from to 50% load	
Nominal frequency	50/60 Hz (selectable)	
Input frequency range On-Line mode	±7%	
Input power factor	0,99	
Output		
Number of phases	1Ph+N	
Nominal voltage	208Vac/220Vac/230Vac/240Vac	
Voltage Regulation at %100 linear load (On-Line and Battery mode)	±1%	
Voltage THD	<3% (linear load), <6% (non-linear load)	
Crest factor	3:1	
Frequency	50/60 Hz (selectable)	
Frequency stability	±0,1 Hz	
Inverter waveform	Sinewave	
Overload capability (Line mode)	110% for 10 minutes, 130% for 1 minute, >130% for 1 second	
Overload capability (Battery mode)	110% for 30 seconds, 130% for 10 seconds, >130% for 1 second	
Efficiency	94%, calculated in double conversion mode at 100% load to 100% load according to standard 62040-3	
Transfer time	0 ms (On-Line)	
Output connections	Terminal block	
Battery (fitted inside the external Battery Box)		
Batteries number	16 (inside the external Battery Box, for UPS operation)	
Battery charge time (typical)	6-8 hours	
Extended autonomy	External Battery Box (optional)	
Environmental specification		
Working temperature	Da 0 a 55 °C (recommended from 20 to 25 °C)	
Humidity	< 95% without condensation	
Maximum altitude	3000 m	
IP protection	IP20	
Certifications	CE (standards: Low Voltage Directive IEC EN 62040-1; EMC Directive IEC EN 62040-2; classification IEC EN 62040-3)	

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Accessories

Model	Code
Bypass Box for Evo Dsp Plus Rack Mount 6.0 and 10.0	FGCBYP10MMRM
Dry Contact DB9 Interface	FGCEVODSDRY3
Dry Contact 9 PIN Interface	FGCEVODSDRY4
SNMP for Ups Evo Dsp Plus	FGCNETAG7
ModBus RS485 Interface	FGCMODBUS
Kit 2 shelves for UPS Rack Installation	FGCKITEVORT





- 1 Thermal protection for battery charger circuit 2 Power socket for the battery charger circuit 3 Thermal switch for battery circuit
4 Connector for the UPS connection 5 Extra Battery Box connector

Main Specifications

- Internal battery charger on every unit
- Units can be expanded infinitely
- Batteries with thermal circuit protection
- Easy connection to UPS
- Hot Swap batteries
- Rack format 19", height 3U
- Packaging containing separate Battery Box and Battery Pack

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS 6.0-10.0 RACK MOUNT PF 1			
Code	FBBEVDR192/00	FBBEVDR192/07	FBBEVDR192/09	FBBEVDR192/11
Box dimension WxHxD	43,8 x 13,3 x 66,8 cm (3U)			
Pack dimension WxHxD	59 x 26 x 87,5 cm			
Weight	10 Kg	49 Kg	53 Kg	56 Kg
Battery				
Type	Lead acid, sealed, maintenance free			
Internal battery charger				
Nominal input voltage	230Vac			
Nominal input frequency	50/60Hz			
Nominal voltage	219Vdc			
Max charging current	Selectable	0,7A	0,9A	1,1A
Protection				
Battery charge input	Thermal fuse			
Battery circuit	Magnetothermic switch			
Environmental specification				
Working temperature	From 0 to 55 °C (recommended from 20 to 25 °C)			
Humidity	< 95% without condensation			
Maximum altitude	3000 m			
IP protection	IP20			
Certifications	CE			

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Easy installation



The Battery Box and Battery Pack are supplied separately in the packaging for an easy installation.

So the total weight is divided into several parts, making it easier to install.



A single operator can easily install the Battery Box inside the UPS and then the battery pack.