



Ups Evo DSP Plus 6.0-10.0 PF 1

POWER FACTOR **1**

- 1 RS232 port 2 USB port 3 Slot for SNMP interface, Dry Contact or MODBUS 4 EPO connector 5 Switch mains input 6 Input/output terminal block
7 Connector for external Battery Box 8 Manual bypass switch for maintenance 9 Interface for parallel connection

Main Specifications

- Local Area Network (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Power factor 1
- Rectifier realized by IGBT technology
- Compatible with generators
- Battery charging system controlled by microprocessor
- Extension Back-up time by external Battery box
- Static and Manual 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**

Modello UPS	EVO DSP PLUS 6.0 PF 1				EVO DSP PLUS 10.0 PF 1			
Codice	FGCEDP6MM2/00	FGCEDP6MM2/C	FGCEDP6MM2/D	FGCEDP6MM2/E	FGCEDP10MM2/00	FGCEDP10MM2/C	FGCEDP10MM2/D	FGCEDP10MM2/E
Nominal power	6 KVA				10 KVA			
Active power	6 KW				10 KW			
Power factor	1				1			
Technology	On-Line Double Conversion transformerless (VFI-SS-111)							
Cooling	Fan cooling							
Audible noise	< 55 dBA to 1 m				< 58 dBA to 1 m			
Dimension (UPS) WxHxD	19x68,8x36,9 cm				19x68,8x44,2 cm			
Dimension (with packing) WxHxD	32x92,2x51,4 cm				32x92,2x58,7 cm			
Weight	18 Kg	57 Kg	62 Kg	65 Kg	23 Kg	62 Kg	67 Kg	70 Kg
Input								
Number of phases	1Ph+N							
Nominal voltage	208Vac/220Vac/230Vac/240Vac							
Input voltage range	176Vac-300Vac from 50% to the 100% of loading, 110Vac-300Vac up 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)	±2%							
Voltage THD at rated linear load	<3% (linear load), <5% (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 30 minutes, 130% for 5 minutes, >130% for 10 seconds							
Overload capability (Battery mode)	110% for 3 minutes, 130% for 30 seconds, >130% for 10 seconds							
Efficiency	94%, calculated in double conversion mode at 100% load to 100% load according to standard 62040-3							
Transfer time	0 ms (On-Line)							
Battery								
Type	Lead acid, sealed, maintenance free							
Installed inside	-	16 elements			-	16 elements		
Extended autonomy	External Battery Box (optional)							
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 (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 6.0 and 10.0	FGCBYP10MM2
Dry Contact DB9 Interface	FGCEVODSDRY3
Dry Contact 9 PIN Interface	FGCEVODSDRY4

Model	Code
SNMP for Evo Dsp Plus MM	FGCNETAG7
ModBus RS485 Interface	FGCMODBUS





- 1 Thermal Fuse protecting the 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
- Reduced dimensions
- Easy installation and maintenance

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS 6.0-10.0 PF 1													
Code	FB8EVDP192A/00	FB8EVDP192A/07	FB8EVDP192A/14	FB8EVDP192A/21	FB8EVDP192A/28	FB8EVDP192A/05	FB8EVDP192A/18	FB8EVDP192A/27	FB8EVDP192A/36	FB8EVDP192A/11	FB8EVDP192A/22	FB8EVDP192A/33	FB8EVDP192A/44	
Box dimension WxHxD	25 x 83,3 x 80 cm													
Pack dimension WxHxD	38 x 105,8 x 96,5 cm													
Weight	49 Kg	81,4 Kg	107,8 Kg	134,2 Kg	160,6 kg	90,5 kg	126 kg	161,5 Kg	197,1 Kg	98,2 Kg	141,4 Kg	184,6 Kg	227,8 Kg	
Battery														
Type	Lead acid, sealed, maintenance free													
Internal battery charger														
Nominal input voltage	230Vac													
Nominal input frequency	50/60Hz													
Nominal charging voltage	219,2Vdc													
Max charging current	Selectable	0,7A	1,4A	2,1A	2,8A	0,9A	1,8A	2,7A	3,6A	1,1A	2,2A	3,3A	4,4A	
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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