

ON LINE

# UPS EVO DSP PLUS PF 0,9

1.200-2.400-3.600-5.500

Together on



Ups Evo DSP Plus 1.200 PF 0,9



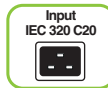
Ups Evo DSP Plus 2.400 PF 0,9



Ups Evo DSP Plus 3.600 PF 0,9



Ups Evo DSP Plus 5.500 PF 0,9



- 1 Input connection    2 Input Thermal protection    3 IEC320 C13 output sockets with Blackout protection
- 4 Output Terminal block with Blackout protection    5 USB port    6 RS232 port    7 Slot for SNMP, Dry Contact or MODBUS interface (for EVO DSP Plus 5.5 PF 0,9 to replace USB e RS232)    8 EPO connector    9 Connector for additional Battery Box
- 10 Switch mains input    11 Input/output terminal block

**POWER FACTOR** 0,9

### Main Specifications

- For Local Area Network (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Power Factor 0,9
- Rectifier realized by IGBT technology

- Compatible with Generators
- Battery charging system controlled by micro processor
- Intelligent slot for SNMP or Dry Contact card or MODBUS

- Static Bypass
- High efficiency and low operating cost
- UPS Management Software TecnoManager compatible with Windows, Mac OS X, Unix, Linux, etc.

**HIGH EFFICIENCY**  
94%

### Specifications

UPS Model	EVO DSP PLUS 1.200 PF 0,9	EVO DSP PLUS 2.400 PF 0,9	EVO DSP PLUS 3.600 PF 0,9	EVO DSP PLUS 5.500 PF 0,9
Code	FGCEDP1202IEC	FGCEDP2402IEC	FGCEDP3602IEC	FGCEDP5502MM
Nominal Power	1.200 VA	2.400 VA	3.600 VA	5.5 KVA
Potenza attiva	1.080 W	2.160 W	3.240 W	4.950 W
Potenza attiva	0,9			
Technology	On-Line Double Conversion transformerless (VFI-SS-111)			
Cooling	Cooling fan			
Audible noise	< 45 dBA to 1 m			
Dimension UPS LxHxP	14,5x22x28,2 cm	14,5x22x39,7 cm	19x31,8x42,1 cm	< 48 dBA a 1 m 19x57,3x36,9 cm
Dimension (with packing) LxHxP	23x33x37 cm	23x33x48 cm	33x46x56 cm	33x83,5x50,5 cm
Weight	10 Kg	17 Kg	27 Kg	46 Kg
<b>Input</b>				
Number of phases	1F+N			
Nominal voltage	208Vac/220Vac/230Vac/240Vac			
Input voltage range	110-300Vac			176Vac-300Vac from 50% to 100% load, 110Vac-300Vac up to 50% load
Nominal frequency	50/60 Hz (selectable)			
Input frequency range (On-Line mode)	+/- 7%			
Input power factor	0,99			
<b>Output</b>				
Number of phases	1F+N			
Nominal voltage	208Vac/220Vac/230Vac/240Vac (selectable)			
Static voltage Regulation at %100 linear load (On-Line and battery mode)	±1%			
Voltage THD at rated linear load	<2% (linear load) <8% (non-linear load)			<3%(linear load), <5% (non-linear load)
Crest factor	5:1			3:1
Frequency	50/60 Hz (selectable)			
Free running frequency	±0,2 Hz			±0,1 Hz
Inverter waveform	Sinewave			
Overload capability (on-line mode)	110% only audible warning, 110-130% for 30 s, >130% for 100 ms			110% for 30 minutes, 130% for 5 minutes, >130% per 10
Overload capability (battery mode)	110% only audible warning, 110-130% for 30 s, >130% for 100 ms			110% for 3 minuti, 130% for 30 seconds, >130% per 10 seconds
Efficiency	94%, calculated in double conversion method 100% load according to standard 62040-3			
Transfer time	0 ms (On-Line)			
<b>Battery</b>				
Type	Lead acid, sealed, maintenance free			
Extended autonomy	-	External Battery Box (optional)		-
<b>Environmental specification</b>				
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 UPS from 1.2 KVA to 3.6 KVA	FGCBYPIEC
Bypass Box for UPS from 5.5 KVA	FGCBYP10MM2
Dry Contact DB9 Interface	FGCEVODSDRY3

Model	Code
Dry Contact 9 PIN Interface	FGCEVODSDRY4
SNMP Internal Interface	FGCNETAG7
ModBus RS485 Interface	FGCMODBUS





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

**Main Specifications**

- Internal battery charger on every unit
- Units can be expanded infinitely
- Batteries with thermal circuit protection
- Easy connection to UPS
- Convertible format (Tower or Rack 19")

**Specifications**

Model	BATTERY BOX FOR EVO DSP PLUS 3.600		
Code	FBBEDP3602RT/09		FBBEDP3602RT/18
Positioning	Into Tower or 19" Rack cabinet (2U) positioning		
Dimension (Box) WxHxD	43,8x8,8x63 cm		
Dimension (with packing) WxHxD	60x24x75 cm		
Weight	30 Kg		43 Kg
<b>Battery</b>			
Type	Lead acid, sealed, maintenance free		
<b>Internal Battery Charger</b>			
Nominal input voltage	230Vac		
Nominal input frequency	50/60Hz		
Nominal charging voltage	82,2Vdc		
Max charging current	1A		
<b>Protection</b>			
Battery charge input	Thermal fuse		
Battery circuit	Magnetothermic switch		
<b>Environmental specification</b>			
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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