

POWER FACTOR 0,9



Ups Evo DSP Plus 10.0-15.0 TM PF 0,9

Ups Evo DSP Plus 20.0 TM PF 0,9

- 1 RS232 port
- 2 USB port
- 3 EPO connector
- 4 Slot for SNMP interface or Dry Contact or MODBUS
- 5 Connector for external Battery Box
- 6 Manual bypass switch for maintenance
- 7 Input voltage switch
- 8 Input/output terminal box

Main Specifications

- Local Area Network (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Power factor 0,9
- Rectifier realized by IGBT technology
- Compatible with Generators
- Battery recharge system managed by microprocessor
- Static and manual bypass
- UPS Management Software TecnoManager compatible with Windows, Mac OS X, Unix, Linux, etc.

HIGH EFFICIENCY 94%

Specifications

UPS Model	EVO DSP PLUS TM 10.0-15.0-20.0 PF 0,9									
	FGCEVDP10TM2/00	FGCEVDP10TM2/C	FGCEVDP10TM2/D	FGCEVDP10TM2/E	FGCEVDP15TM2/00	FGCEVDP15TM2/D	FGCEVDP15TM2/E	FGCEVDP20TM2/00	FGCEVDP20TM2/2D	FGCEVDP20TM2/2E
Code										
Nominal power	10 KVA			15 KVA			20 KVA			
Power factor	9 KW			13,5 KW			18 KW			
Fattore di Potenza	0,9									
Technology	On-Line Double Conversion transformerless (VFI-SS-111)									
Cooling	Fan cooling									
Dimension (UPS) WxHxD	19x68,8x44,2 cm						25x82,6x81,5 cm			
Dimension (with packing) WxHxD	32x92,2x58,7 cm						48x106x96 cm			
Weight	25 Kg	63 Kg	68 Kg	72 Kg	26 Kg	69 Kg	73Kg	48 Kg	135 Kg	140 Kg
Input										
Number of phases	3Ph+N									
Nominal voltage (Ph-F)	360Vac/380Vac/400Vac/415Vac									
Nominal voltage (Ph-N)	208Vac/220Vac/230Vac/240Vac									
Input voltage range (Ph-N)	176Vac-300Vac to 100% load, 110Vac-300Vac to 50% load									
Nominal frequency	50/60 Hz									
Input frequency range On-Line mode	±7%									
Input current harmonic distortion (THDi)	≤4%									
Input power factor	0,99									
Output										
Number of phases	1Ph+N									
Nominal voltage	208Vac/220Vac/230Vac/240Vac									
Voltage Regulation (On-Line and Battery mode)	±1%									
Voltage THD at rated linear load	<3% (linear load) - <5% (distorting load)									
Crest factor	3:1									
Frequency	50/60 Hz									
Frequency stability	±0,1 Hz									
Inverter waveform	Sinewave									
Overload capability (On-line mode)	110% for 30 minutes, 130% for 5 minutes, >130% for 1 second				110% for 15 minutes, 130% for 30 seconds, >130% for 1 second			110% for 5 minutes, 130% for 1 seconds, >130% istant		
Overload capability (Battery mode)	110% for 3 minutes, 130% for 30 seconds, >130% for 1 second				110% for 1 minute, 130% for 5 seconds, >130% for 1 second			110% for 1 minute, 130% for 1 seconds, >130% istant		
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			-	32 elements
Extended autonomy	External Battery Box (optional)									
Environmental specification										
Working temperature	From 0 to 55 °C (recommended from 20 to 25 °C, for longer battery life)									
Humidity	< 95% without condensation									
Maximum altitude	3000 m									
IP protection	IP20									
Certifications	CE (Norme di riferimento: sicurezza IEC EN 62040-1; EMC IEC EN 62040-2; classificazione IEC EN 62040-3)									

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Accessories

Model	Code	Model	Code
Internal SNMP for Evo Dsp Plus	FGCNETAG7	Dry Contact DB9 Interface	FGCEVODSDRY3
ModBus RS485 Interface	FGCMODBUS	Dry Contact 9 PIN Interface	FGCEVODSDRY4





- 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 Battery Box 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

Modello	BATTERY BOX FOR EVO DSP PLUS TM 10.0-15.0-20.0 PF 0,9												
Code	FBBEVDP192B/00	FBBEVDP192B/07	FBBEVDP192B/14	FBBEVDP192B/21	FBBEVDP192B/28	FBBEVDP192B/09	FBBEVDP192B/18	FBBEVDP192B/27	FBBEVDP192B/36	FBBEVDP192B/11	FBBEVDP192B/22	FBBEVDP192B/33	FBBEVDP192B/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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