

POWER FACTOR **0,9**

- 1 RS232 port 2 USB port 3 EPO connector 4 Interface for parallel connection 5 Slot for SNMP interface, Dry Contact or MODBUS 6 Bypass switch Input
7 Manual bypass switch for maintenance 8 Exit switch 9 Input switch 10 Connector for external Battery Box 11 Input/output terminal box

Main Specifications

- Local Area Networks (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Power factor 0,9
- Rectifier realized by IGBT technology
- Compatible with Generators

- Battery charging system controlled by microprocessor
- Static and manual bypass
- Expandable up to 3 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 TT 40.0 PF 0,9		
	FGCEVDP40TT/00	FGCEVDP40TT/2D	FGCEVDP40TT/2E
Code			
Nominal power		40 KVA	
Active power		36 KW	
Power factor		0,9	
Technology	On-Line Double Conversion transformerless (VFI-SS-111)		
Cooling	Fan cooling		
Dimension (UPS) WxHxD	30x100x81,5cm		
Dimension (with packing) WxHxD	43x123,5x95,3cm		
Weight	58 Kg	231 Kg	244 Kg
Input			
Number of phases	3Ph+N		
Nominal voltage	360Vac/380Vac/400Vac/415Vac		
Nominal voltage (Ph-N)	208Vac/220Vac/230Vac/240Vac		
Input voltage range (Ph-N)	176Vac-276Vac 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	<9% to 50% load, <6% to 100% load		
Input power factor	0,99		
Output			
Number of phases	3Ph+N		
Nominal voltage	360Vac/380Vac/400Vac/415Vac (F-N: 208Vac/220Vac/230Vac/240Vac)		
Voltage Regulation (On-Line and Battery mode)	±1%		
Voltage THD at rated linear load	<2% (linear load) - <5% (non-linear load)		
Crest factor	3:1		
Frequency	50/60 Hz		
Frequency stability	±0,1 Hz		
Inverter waveform	Sinusoidale		
Overload capability (On-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 according to standard 62040-3		
Transfer time	0 ms (On-Line)		
Battery			
Type	Lead acid, sealed, maintenance free		
Installed inside			64 elements
External Battery Box	See page Battery Box		
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)		

© 2020 Tecnoware Power Systems. The technical data may change without prior notice.

Accessories

Model	Code	Model	Code
Parallel Kit for Evo Dsp Plus TT 40 KVA	FGCKITPAREVDP6	ModBus RS485 Interface	FGCMODBUS
Internal SNMP Interface	FGCNETAG7	Three-phase isolation Trans. 40 KVA star/star	FGCIT40KSST
Dry Contact DB9 Interface	FGCEVODSDRY3	Three-phase isolation Trans. 40 KVA delta/star	FGCIT40KTST
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 UPS connection 5 Extra Battery Box connector

Main Specifications

- Internal battery charger on every unit
- Batteries with thermal circuit protection
- Reduced dimensions
- Units can be expanded infinitely
- Easy connection to UPS
- Easy installation and maintenance

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS TT 40.0 PF 0,9				
Code	FBBEVDP384A/00	FBBEVDP384A/09	FBBEVDP384A/18	FBBEVDP384A/11	FBBEVDP384A/22
Box dimension WxHxD			25 x 83,3 x 80 cm		
Pack dimension WxHxD			38 x 105,8 x 96,5 cm		
Weight	50 Kg	126,4 Kg	197,08 kg	141,4 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	± 219,2 Vdc				
Max charging current	Selectable	0,9 A	1,8 A	1,1 A	2,2 A
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				

© 2020 Tecnoware Power Systems. The technical data may change without prior notice.



Main Specifications

- Front door for access to battery compartments
- Isolator fuse protecting the battery circuit
- Removable side panels
- Easy maintenance

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS TT 40.0 PF 0,9											
Code	FBBEP384B/00	FBBEP384B/24	FBBEP384B/40	FBBEP384C/00	FBBEP384C/65	FBBEP384C/80	FBBEP384D/00	FBBEP384D/100	FBBEP384D/120	FBBEP384E/00	FBBEP384E/140	FBBEP384E/200
Dimension (Box) WxHxD	61 x 140 x 68 cm			81 x 140 x 88 cm			81 x 190 x 98 cm			121 x 190 x 98 cm		
Dimension (with packing) WxHxD	74 x 162,5 x 84,5 cm			94 x 162,5 x 104,5 cm			94 x 212,5 x 114,5 cm			134 x 212,5 x 114,5 cm		
Weight	150 Kg	380 Kg	770 kg	205 Kg	820 kg	950 kg	285 Kg	1.250 kg	1.260 kg	350 Kg	1.670 kg	2.240 kg
Equipped with	Battery cable to connect UPS to Battery Box											
Battery												
Type	Lead acid, sealed, maintenance free											
Protection												
Battery circuit	Disconnecter											
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											

© 2020 Tecnoware Power Systems. The technical data may change without prior notice.