



Ups Evo DSP Plus 10-20 TM PF 1

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

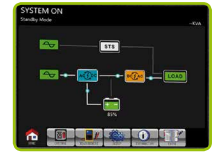
Main Specifications

- For Local Area Network (LAN), Data Centers, Industrial equipment, Electromedical equipment
- Power factor 1
- Double input mains/bypass
- Rectifier realized by IGBT technology

- Compatible with Generators
- Battery recharge system managed by microprocessor
- Static and manual bypass
- Expandable up to 3 units in parallel with shared Box Battery
- UPS Management Software TecnoManager compatible with Windows, Mac OS X, Unix, Linux, etc.

HIGH EFFICIENCY
96%

POWER FACTOR 1

DISPLAY LCD
color touch**Specifications**

UPS Model	EVO DSP PLUS TM 10.0-20.0 PF 1									
Code	FGCEDP10TM/00	FGCEDP10TM/C	FGCEDP10TM/D	FGCEDP10TM/E	FGCEDP10TM/2D	FGCEDP10TM/2E	FGCEDP20TM/00	FGCEDP20TM/C	FGCEDP20TM/D	FGCEDP20TM/E
Nominal power	10 KVA					20 KVA				
Active power	10 KW					20 KW				
Power Factor	1									
Technology	On-Line Double Conversion transformerless (VFI-SS-111)									
Cooling	Fan cooling									
Dimension (UPS) WxHxD	25x82,6x63 cm									
Dimension (with packing) WxHxD	38,5x102,5x73,5 cm									
Weight	70Kg	116Kg	124Kg	128Kg	172Kg	184Kg	80Kg	150Kg	166Kg	173Kg
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	46-54 Hz or 56-64 Hz									
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	<2% (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)	100-110% for 60 minutes, 100-125% for 10 minutes, 125-150% for 1 minute, >150 immediate									
Overload capability (Battery mode)	100-110% for 60 minutes, 100-125% for 10 minutes, 125-150% for 1 minute, >150 immediate									
Efficiency	96%, 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	-	20 elements (10+10)				40 elements 2 x (10+10)		-	32 elements (16+16)	
Extended autonomy	External Battery Box (opt)	-				-		External Battery Box (opt)	-	
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 (Standards: Low Voltage Directive IEC EN 62040-1; EMC Directive IEC EN 62040-2; classification IEC EN 62040-3)									

© 2024 Tecnoware Power Systems. The technical data may change without prior notice.

Accessories

Model	Code
Parallel cables kit	FGCKITPARCA1
Internal SNMP interface	FGCNETAG7
ModBus RS485 interface	FGCMODBUS

Model	Code
Dry Contact DB9 interface	FGCEVODSDRY3
Dry Contact 9 PIN interface	FGCEVODSDRY4



TECNOManager
UPS Management Software

TECNOWARE



**Main Specifications**

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

Specifications

Model	BATTERY BOX FOR EVO DSP PLUS TM 10.0 PF 1												
Code	FBEBP240A2/00	FBEBP240A2/18	FBEBP240A2/24	FBEBP240B2/00	FBEBP240B2/40	FBEBP240B2/60	FBEBP240B2/80	FBEBP240D2/00	FBEBP240D2/65	FBEBP240D2/100	FBEBP240D2/120	FBEBP240C2/00	FBEBP240C2/150
Dimension (Box) LxHxP	60 x 110 x 60 cm			61 x 140 x 68 cm			61 x 140 x 88 cm			81 x 190 x 98 cm			
Dimension (with packing) WxHxD	74 x 162,5 x 104,5 cm			94 x 212,5 x 114,5 cm			94 x 212,5 x 114,5 cm			94 x 212,5 x 114,5 cm			
Weight	80 Kg	190 kg	240 kg	175kg	420 kg	505 kg	625 Kg	175 kg	560 kg	755kg	785 Kg	285 Kg	1.155 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												

© 2024 Tecnoware Power Systems. The technical data may change without prior notice.

**Main Specifications**

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

Specifications

Model	BATTERY BOX PER EVO DSP PLUS TM 20 PF 1												
Code	FBEBP384B/00	FBEBP384B/24	FBEBP384B/40	FBEBP384C/00	FBEBP384C/60	FBEBP384C/65	FBEBP384C/80	FBEBP384D/00	FBEBP384D/100	FBEBP384D/120	FBEBP384E/00	FBEBP384E/140	FBEBP384E/200
Dimension (Box) LxHxP	61 x 140 x 88 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 380 Kg			94 x 162,5 x 104,5 cm			94 x 212,5 x 114,5 cm			134x 212,5 x 114,5 cm			
Weight	150 Kg	380 kg	770 kg	205 kg	700 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												

© 2024 Tecnoware Power Systems. The technical data may change without prior notice.