

UPS serie HD Power EVO online VFI 111 SS Three-phase from 10KVA to 60KVA

APPLICATIONS

LAN (local area network)
Data center
Industrial processes
Electromedical equipment

FEATURE

DSP and IGBT technology
Input active PFC p.f. > 0,99
Low input distortion < 3%
Wide input voltage range
Mode operation:
On Line - Line interactive
Automatic and manual By pass
Full parallel up to 10 unit
RS232, RS485, USB

OPTIONAL

Output transformer
SNMP
Parallel kit
Modbus



Innovation, reliability, maximum power availability, redundancy, are some of the exciting features of these new ups.

HD POWER EVO

New and unique ups that revolutionate the concept of energy. Last generation components, fully automated production, SMT technology guarantee the HD POWER EVO a high degree of reliability and durability.

It all starts and develops around the sophisticated DSP used in the control logic to generate a digital signal necessary for the UPS to manage its operations. Thanks to this project, HD POWER EVO can be configured to operate in three-phase/three-phase, three-phase/single-phase/single-phase mode.

Up to ten parallel units can be connected thus providing the necessary redundancy essential to ensure the maximum possible energy availability.

A large graphic display shows a diagnostic extremely clear and complete. The remote via CAN bus allows in having Such information even in environments different from the place of installation. Structurally designed with the idea of interchangeability between the elements, facilitates the work of assistance and maintenance by any technical operator.

HD POWER EVO description of the system

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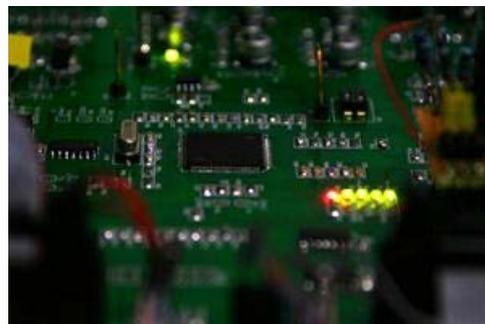
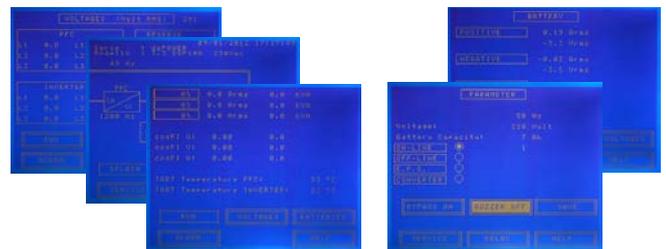
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The large graphical display

allows the display of all operating states of the UPS, making it immediately visible the multiple readings of electrical been completed by the flow diagrams. The parameterization is easily managed by a specific menu, so the setting of various communication interfaces. Functional tests can be always controlled and programmed with great simplicity. The simple and intuitive graphical interface approach simplifies the process of research and programming throughout the system guaranteeing the immediacy of access to information.



DSP (digital signal processor) at the heart of the system

Five are the microprocessors that run and regulate the operation of the new HD Power EVO, guarantee constant control of all parameters of life. From the digital generation of the PWM signal act for the reconstruction of the sine wave output, parallel to the supervision of the unit, is sampled, tested and corrected via DSP.

Complete and versatile communication interface

Three standard communication are available to the outside, RS232 - RS485 - USB

In addition, the free contact interface can be configured by the end user.

Complete the allocation (as an option) the possibility connected to a LAN via an SNMP agent, making so the HD Power EVO ups series manageable even on wide area network



HD POWER EVO options

Communication Software

Network-capable (TCP / IP) is compatible with all operating systems. Its structure is very simple and makes it easy to use. Always active as a service, recognizes all activities on the network and keeps historical events records. Status is monitored in real time. Based on event scheduling, an administrator can send messages, start or disable particular programs, or define the shutdown of the custom system.



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SNMP Management

The standard that allows you to control and monitor the UPS via web browser. The use of the dedicated card makes HD Power EVO controllable from a geographic network.

Effective remote monitoring tool to manage ups. It can work with any NMS compatible with SNMP, stop multiple servers with ClientMate (Freeware for Windows, Linux and FreeBSD), automatically send notifications, display real-time input-output status, battery status, temperature Current UPS and much more. The GeMi Power Solution snmp web management supports multiple language and is configured to automatically detect web languages. It also has the ability to add NetFeeler Lite to detect temperature, humidity, smoke and security sensors. So, making NetAgent II a very versatile management tool.



Compatible operating systems



TECHICAL SPECIFICATION

MODEL	HDP.E_T10K	HDP.E_T20K	HDP.E_T30K	HDP.E_T40K	HDP.E_T60K
INPUT					
Rated Power	10KVA	20KVA	30KVA	40KVA	60KVA
Voltage	380/400/415 VAC three-phase 4 wire + ground				
Voltage tolerance	± 20%				
Frequency tolerance	40 / 72 Hz				
Power factor	0,99				
Maximum Input current ph/n					
Harmonic Distortion	< 3%				
BY - PASS					
Rated voltage	380/400/415 VAC three-phase 4 wire + ground				
Voltage tolerance	± 15% (selectable from ± 5% a ± 25%)				
Rated frequency	50/60 Hz				
Rated current	200% In				
Number phases	3+N				
Protections	short circuit - over load - over temperature				
OUTPUT					
Rated Power	10KVA	20KVA	30KVA	40KVA	60KVA
Active Power	9KW	18KW	27KW	36KW	54KW
Number phases	3+N				
Crest factor	3:1				
Waveform	Sinewave				
Static stability	±1%				
Dynamic stability	± 1%				
Frequency	50/60 Hz selectable and/or automatic				
Voltage Distortion with linear load	1%				
Voltage Distortion with distorting load	3%				
Overload	125% x 10' - 150% x 1' - 170% x 5"				
BATTERIES					
Type	Maintenance-free sealed lead acid				
Recharge time	6 h				
ENVIRONMENTAL					
Colour	Black Ral 7016				
Remote controls	EPO				
Communication	Free contacts - RS232 - RS485 - USB - GENSET INTERFACE				
Safety compliance	EN 62040 - 1				
EMC conformance	EN 62040 - 2 Lev. A and Directive 73/23 EEC, 93/68 EEC, 89/336 EEC				
Protection rating	IP 21				
AC/AC efficiency	> 95%				
Noise	≤ 50 dBA				
Remote signals	no. 6 configurable free contacts				
Display panel	Graphic LCD display multifunction 320x240				
Operating temperature	0 ÷ 40° C.				
Relative himidity	95% no condensing				
OPTIONS					
Extended runtime battery boxes	YES				
Parallel kit	YES				
Isolation transformer	YES				
LCD-based remote control panel	YES				
Communication software	YES				
SNMP Agent	YES				
DATA					
Dimensions mm	500 x 800 x1100				
Weight w/o batteries kg	110	110	125	130	150

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