



Safepower Evo HF

Safepower Evo HF series is capable of providing clean energy to the connected load, without interruption, regardless of the conditions of the supply network; ideal for the protection of computer networks, telecommunications and critical systems in general.

Safepower Evo HF is available in models from 10 to 200 kVA, with double conversion on-line technology according to the VFI-SS-111, as defined by the IEC EN 62040-3.

High performance components and technological solutions guarantee a total efficiency up to 96,6% (on-line mode double conversion) and >99% for operation ECO-MODE. The ability to supply loads is of the inductive type which capacitive and delivering the required active power (kW) required by the load characterize the UPS in its market segment.

- High efficiency
- Power Factor 1 output
- Transformer free
- Parallelable up to 8 units
- EN50171 compliant
- Configurable frequency converter mode
- Monitoring via SNMP, RS232, RS485 Modbus
- UPS10-60k with battery inside
- Double input
- Low input current harmonic THDI <3%
- Cold Start
- HMI interface multilanguage
- Long back-up time with additional battery boxes
- Option: Lithium Battery LiFePO4



TECHNICAL DATA

Model	10K*	20K*	30K	40K	60K	80K	100K	120K	160K	200K
Dimensions (WDXH) mm	440x840x1320					500x830x1600			840x1050x1900	
Max. weight (Kg) with / without batteries inside	263/103	265/105	267/107	272/112	290/130	172	180	198	450	460

ELECTRICAL DATA

Output Nominal Power (kVA-kW)	10	20	30	40	60	80	100	120	160	200
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INPUT DATA

Nominal voltage (Vac)	380/400/415 Vac three-Phase + neutral (50/60Hz)									
THDI (%)	≤ 3 %									
Power factor full load	0,99 pf									

BATTERY DATA

Type Battery	Standard VRLA; optional LiFePO4									
N. Elements Battery (n° blocks)	20 + 20 (@12V) (central point N)									
Internal Battery Max	3x(20+20) 9Ah					-				
Max Current Charge (A)	6	6	10			12		25		

OUTPUT DATA

Output Nominal voltage (Vac)	380/400/415 Vac Three-Phase + neutral (50-60Hz selectable)									
Static / Dynamic Stability	± 1% / <5%									
Restore within ± 1% In compliance with EN 62040-3, Class 1	20msec									
THDV Voltage distortion with linear load / with no linear load (EN 62040-3)	≤ 1% / ≤ 1,5%									
Overload (AC mode)	103% no limit; Load ≤ 110%: 60min, ≤ 125%: 10min, ≤ 150%: 1min, 200% 0,5se; >200% 0,2 sec									
Efficiency "on line" (%) / ECO mode	up to 96,6 / up to 99%					up to 96,2 / up to 99%				

GENERAL DATA

Cabinet protection degree / RAL	IP20 (IP21/IP31 optional) / RAL 9005									
Operating temperature (C°) / Humidity (%)	0 ± 40 °C / 0-95% non-condensing									
Standards	CE - CEI-IEC EN 62040-1-2-3 (VFI-SS-111 Class)									

* Available also in version 1/1 in/out or 3/1 in/out

** In the interests of product improvement SIEL reserves the right to change specifications without notice.



SIEL S.p.A.
Via I° Maggio 25 - 20060 Trezzano Rosa (MI) - ITALY
Phone: +39.02.909861
www.sielups.com sales@sielups.com



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