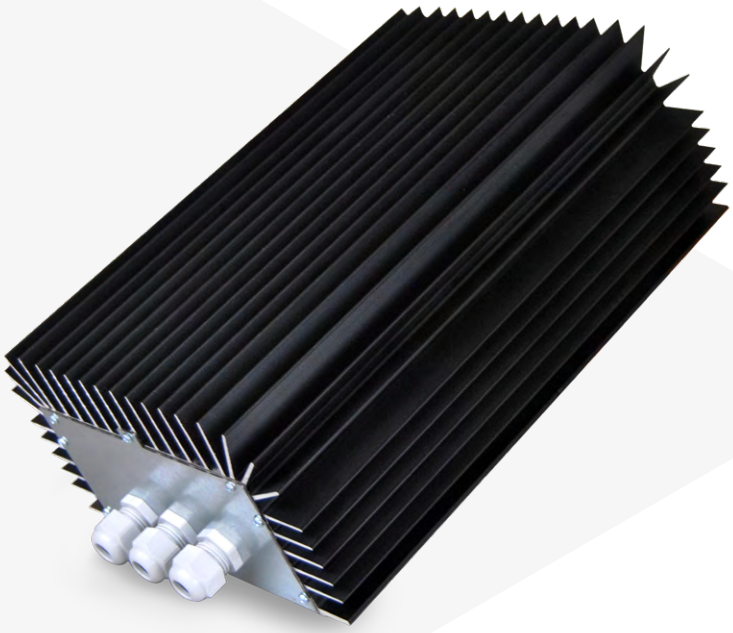
HFL

SINGLE PHASE 110-230 Vac

MAIN APPLICATIONS



SUITABLE BATTERIES

Wet lead acid (PzS) – GEL – AGM – VRLA – PzV – Lithium (on demand)

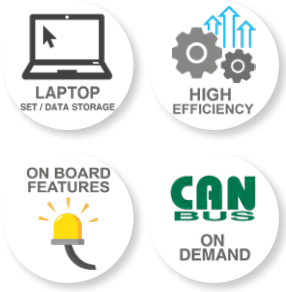
MODELS AVAILABLE

				Lead acid (Ah)		Gel (Ah)	
V	**A**	**VAC**	**CODE**	**7,5-8,5h**	**10-12-14h**	**12-14h**	**Iac (230Vac)**
24	30	1x110-230	**HFL 24/30**	165-197	228-280-333	226-282	3,4
36	20	1x110-230	**HFL 36/20**	110-132	152-186-222	151-188	3,4
48	15	1x110-230	**HFL 48/15**	82-99	114-140-167	113-141	3,4

-K1: suffix code for on-board package

PRODUCT INTRO

HFL is our IP 65 high efficiency PFC HF charger.
The universal input 110/230Vac makes it suitable for different markets.
This advanced technology charger has a brand new hardware architecture providing an innovative power conversion capable of reducing the losses and optimizing the efficiency of the system.



GENERAL CHARACTERISTICS

Mains	110-230Vac (1ph) +/-10% 50-60Hz
Visual signalling	External single LED (3 colours)
Charger setting	By PC/Programming port: extra editable charging profiles, capacity, output current
Data memory (optional)	Charger gives a report of the last 25 cycles and key technical data (by PC)
Cool-down system	Fan idle within 40°C internal components temperature.
Efficiency	≥ 90% at 230 Vac
Operating temperature	-10° to +40°C, humidity 95% without condensing
Certifications	CE in conformity with LV and EMC protocols

SAFETY FEATURES

Input protection	Delay AC fuse
Output protection	By fuse (reverse polarity protection)
Thermal Protection	Forced derating on secondary side
Protection during battery disconnection	Safety cut off by undervoltage

MECHANICAL CHARACTERISTICS

Dimensions (LxWxH)	320 x 210 x 112 mm
Protection degree	IP65
Weight	5 kg
Input cable	2,3 m +/- 10% (length) – complete with Schuko plug 16A
Output cables	2,3 m +/- 10% (length) – DC plug on demand **HFL:** External LED (5 cm), serial port for programming **HFL-K1:** Inhibitor cable (2,3 m), external remote LED (2,3 m), serial port for programming