SINGLE/THREE PHASE HF CHARGER

Lithium Ion Battery Charger designed to meet the requirements for properly charging and maintaining Lithium ion Batteries

HIGH EFFICIENCY
SAVE ENERGY

SUPERB BATTERY CARE

FLEXIBILITY

REDUCED
FOOTPRINT AND
LOW WEIGHT

Benefits

- The very high efficiency (94%) leads to a significant reduction of costs because less energy is consumed for each charge
- Improved battery life
- Archive download Kit by means of USB interface

OPTIONAL FEATURES

EXTERNAL LAMP SHOWING:

- Charging in progress
- Alert conditions
- Other functions on request

SAFE DISCONNECT - ANTI ARCING

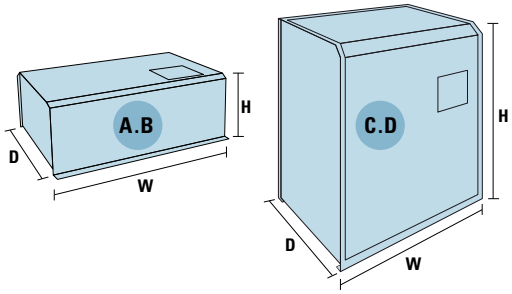
Nuova Elettra

ZVS Lithium

TECHNICAL SPECIFICATIONS

TYPE	Max 10% mains current [A]	Nom. mains current [A]	Max mains power [kVA]	AC fuse [A]	AC plug connector	DC cable [mm²]	Cabinet
ZVS Lithium 1Ph 24-100	13.8	12,5	2,9	10	Schuko 230 1~	25	B
ZVS Lithium 24 - 100	5,3	4,8	3,3	10	CEE 16A 400V 3~	25	A
ZVS Lithium 24 - 120	6,3	5,8	4	10	CEE 16A 400V 3~	35	B
ZVS Lithium 24 - 160	8.6	7.8	5.4	10	CEE 16A 400V 3~	50	C
ZVS Lithium 24 - 200	10.7	9.7	6.7	16	CEE 16A 400V 3~	70	C
ZVS Lithium 24 - 240	12,7	11,5	8	16	CEE 16A 400V 3~	95	C
ZVS Lithium 24 - 300	15,9	14,4	10	16	CEE 16A 400V 3~	95	D
ZVS Lithium 24 - 360	19	17,3	12	25	CEE 32A 400V 3~	95	D
ZVS Lithium 48 - 100	10,6	9,6	6,7	16	CEE 16A 400V 3~	25	B
ZVS Lithium 48 - 160	17	15.4	10,7	25	CEE 32A 400V 3~	50	C
ZVS Lithium 48 - 200	21.2	19.3	13.4	25	CEE 32A 400V 3~	70	C
ZVS Lithium 48 - 240	25,4	23,1	16	32	CEE 32A 400V 3~	95	C
ZVS Lithium 48 - 300	31,7	28,8	20	32	CEE 32A 400V 3~	95	D
ZVS Lithium 48 - 360	38,1	34,6	24	50	CEE 63A 400V 3~	95	D
ZVS Lithium 80 - 100	17,8	16,0	11,1	25	CEE 16A 400V 3~	25	B
ZVS Lithium 80 - 160	28.2	25.7	17.8	32	CEE 32A 400V 3~	50	C
ZVS Lithium 80 - 200	35.3	32.0	22,2	50	CEE 32A 400V 3~	70	C
ZVS Lithium 80 - 240	42,4	38,5	26,6	50	CEE 63A 400V 3~	95	C
ZVS Lithium 80 - 300	53	48,1	33,3	63	CEE 63A 400V 3~	95	D
ZVS Lithium 80 - 360	63,5	57,7	40	63	CEE 63A 400V 3~	95	D
ZVS Lithium 96 - 100	21,1	19,2	13,3	25	CEE 32A 400V 3~	25	B
ZVS Lithium 96 - 200	42,4	38,5	26,6	50	CEE 63A 400V 3~	70	C
ZVS Lithium 96 - 300	63,5	57,7	40	63	CEE 63A 400V 3~	95	D

ALSO AVAILABLE AS 36V AND 72V



DIMENSIONS A
W x D x H (mm) 476 x 290 x 202
DIMENSIONS B
W x D x H (mm) 531 x 396 x 202
DIMENSIONS C
W x D x H (mm) 508 x 323 x 595
DIMENSIONS D
W x D x H (mm) 627 x 318 x 927

WEIGHT A
14 kg (ZVS Lithium version 15 kg)
WEIGHT B
20.5 kg (ZVS Lithium version 21.5 kg)
WEIGHT C
40 kg (ZVS Lithium version 41 kg)
WEIGHT D
71.5 kg (ZVS Lithium version 72.5 kg)

FEATURES

- Suitable for any lithium battery chemistries
- CAN bus communication for lithium BMS will ensure efficient and fast charging
- Adjustable Baud Rate
- Proprietary protocol available
- Peak Efficiency: 94%
- Single phase input voltage 230v ± 15%- 50/60hz with active PFC
- Three phase input voltage 400 V ± 15 % - 50/60 Hz
- LED's indicating state of charge
- Custom designed LCD display solution that matches any exact requirement
- Suitable for wall fixing
- Robust metal construction
- Forced air-cooling
- Suitable for Opportunity Charging
- Reverse battery protection protects the charger from damage resulting from improper battery lead connection
- ZVS delivers filtered DC power to the Lithium Ion Batteries to ensure their built-in electronic balancing circuits operate properly
- Automatic thermal shutdown when charger temperature exceeds pre-set limits and protects charger from damage due to excessive heat
- Safe Disconnect-Anti Arcing
- Programmable Built-In Voltage Hardware Protection
- Sophisticated Control of Minimum Charge Current
- Fast response to current regulation requirements
- Auxiliary I/O for special requirements (battery wake-up, charger ready, fault condition delivery,...)
- Emergency charge

ISOQAR REGISTERED
UKAS MANAGEMENT SYSTEMS 0026

Certificato numero 15152
ISO 9001, ISO 14001

Nuova Elettra
carica batterie _ apparecchiature elettroniche industriali

Nuova Elettra s.r.l. _ I-46029 Suzzara MN _ via Galvani, 2a (Z.A. Rangavino)
tel +39 0376 539011 _ fax +39 0376 532916 _ info@nuovaelettra.it _ **www.nuovaelettra.it**

©Nuova Elettra 02/2024