

V-HFB SERIES

High-Frequency Charger

- Fully Automatic Charging**
 Plug & Play for all V-Force® Lithium-Ion batteries
- Dedicated Voltages**
 24, 36, 48 or 80 V
- Fixed Output**
 50 through 400 A
- SR-Switching Technology**
 Efficiency up to 97%



Technical Information	1.1	Model	V-HFB
	1.2	Battery voltage	24 V, 36 V, 48 V, 80 V
	1.3	Max. Charge current	400 A
	1.4	Technology	High-frequency / resonance frequency
Charge	2.1	Loading method	IU-control
	2.2	Charging programmes	Regulation of the charging current by CAN bus communication between V-Force® Lithium-Ion battery and charger
	2.3	Charge control	CAN bus
	2.4	Charging cable	2.5 m length, fixed, with Schaltbau LV320/400 connector including CAN signal lines
Battery	3.1	Battery type:	V-Force® Lithium-Ion
	3.2	Loading speed / Loading time	up to 1C / 60 min. possible
	3.3	Loading speed / Loading time 50%	up to 1C / 30 min. possible
	3.4	Max. Battery capacity	from 74 Ah to 1184 Ah
Energy consumption in stand-by mode	4.1	Stand-by	Example: V-HFB 2050: 4.4 W
Power supply	5.1	Mains power supply	230 V, 400 V
	5.2	Max. Mains current	6.9 A to 42.8 A per phase
	5.3	Power cable length	2.44 m
	5.4	Power plug	Schuko 16 A / CEE red 16, 32, 63 A
	5.5	Recommended mains fuse	Depending on local regulations
Environment	6.1	Surrounding temperature	min. 0°C / max. 40°C
	6.2	Max. Air humidity	80%, non-condensing
Housing	7.1	Length	from 430 to 460 mm
	7.2	Width	from 125 to 550 mm
	7.3	Height	from 275 to 1300 mm
	7.4	Protection class	IP21
	7.5	Weight	from 12 to 127 kg
	7.6	Installation type	Wall / Standing installation
Safety	The Crown V-HFB charger meets the relevant CE-requirements, detects the voltage class, no sparking when plugged in		
Convenience	Touch display to show the operating states, automatic continuation of charging after power failure, delayed switch-on option for flexible use of available energy resources		