

HIGH FREQUENCY BATTERY CHARGER

**CHARGE
BOX
HF1**

1PHASIG
190-240V // 50-60Hz



HIGH FREQUENCY BATTERY CHARGER

4Load HF1 chargers are high frequency devices for professional traction applications with an efficiency of greater than 90%. The energy-efficient chargers are impressive across the entire spectrum: be it in terms of safety, ease of use or quality.

In addition, the exact matching charging curve can be selected from 8 possibilities for any type of lead battery. As well, the detailed display of the current charging status is impressive.

Charge Box HF1			Charging time by capacity c5 / AH														Charging time by cap. c10 / AH				Box	Performance kW	Line connector AC
			PzS								PzV		GiV		GiS		AGM general		Odyssey				
			6,5 - 7,5 h		7,5 - 8,5 h		8,5 - 10,0 h		10,0 - 14,0 h		12,0 - 14,0 h		11,0 - 14,0 h		9,0 - 14,0 h		7,0 - 10,0 h		2,0 - 5,0 h				
Item no.	Type		1		2		3		4		5		6		7		8		8		Box	Performance kW	Line connector AC
	V	A	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah	from Ah	to Ah			
CB-HF1-12/20	12	20	100	125	125	160	160	182	182	250	133	167	111	167	150	240	100	200	32	80	A	1,0	E 230
CB-HF1-12/25	12	25	125	156	156	200	200	227	227	313	167	208	139	208	188	300	125	250	40	100	A	1,0	E 230
CB-HF1-12/30	12	30	150	188	188	240	240	273	273	375	200	250	167	250	225	360	150	300	48	120	A	1,0	E 230
CB-HF1-12/40	12	40	200	250	250	320	320	364	364	500	267	333	222	333	300	480	200	400	64	160	A	1,0	E 230
CB-HF1-12/50	12	50	250	313	313	400	400	455	455	625	334	417	278	417	375	600	250	500	80	200	A	1,4	E 230
CB-HF1-12/60	12	60	300	375	375	480	480	545	545	750	400	500	334	500	450	720	300	600	96	240	A	1,4	E 230
CB-HF1-12/70	12	70	350	438	438	560	560	636	636	875	467	583	389	583	525	840	350	700	112	280	A	1,4	E 230
CB-HF1-24/20	24	20	100	125	125	160	160	182	182	250	133	167	111	167	150	240	100	200	32	80	A	1,0	E 230
CB-HF1-24/25	24	25	125	156	156	200	200	227	227	313	167	208	139	208	188	300	125	250	40	100	A	1,0	E 230
CB-HF1-24/30	24	30	150	188	188	240	240	273	273	375	200	250	167	250	225	360	150	300	48	120	A	1,0	E 230
CB-HF1-24/35	24	35	175	219	219	280	280	318	318	438	233	292	195	292	263	420	175	350	56	140	A	1,0	E 230
CB-HF1-24/40	24	40	200	250	250	320	320	364	364	500	267	333	222	333	300	480	200	400	64	160	A	1,0	E 230
CB-HF1-24/50	24	50	250	313	313	400	400	455	455	625	334	417	278	417	375	600	250	500	80	200	A	1,4	E 230
CB-HF1-24/60	24	60	300	375	375	480	480	545	545	750	400	500	334	500	450	720	300	600	96	240	B	1,8	E 230
CB-HF1-24/70	24	70	350	438	438	560	560	636	636	875	467	583	389	583	525	840	350	700	112	280	B	1,8	E 230
CB-HF1-36/15	36	15	75	94	94	120	120	136	136	188	100	125	83	125	113	180	75	150	24	60	A	1,0	E 230
CB-HF1-36/20	36	20	100	125	125	160	160	182	182	250	133	167	111	167	150	240	100	200	32	80	A	1,0	E 230
CB-HF1-36/25	36	25	125	156	156	200	200	227	227	313	167	208	139	208	188	300	125	250	40	100	A	1,0	E 230
CB-HF1-36/30	36	30	150	188	188	240	240	273	273	375	200	250	167	250	225	360	150	300	48	120	A	1,0	E 230
CB-HF1-36/35	36	35	175	219	219	280	280	318	318	438	233	292	195	292	263	420	175	350	56	140	A	1,4	E 230
CB-HF1-36/40	36	40	200	250	250	320	320	364	364	500	267	333	222	333	300	480	200	400	64	160	B	1,8	E 230
CB-HF1-36/45	36	45	225	281	281	360	360	409	409	563	300	375	250	375	338	540	225	450	72	180	B	1,8	E 230
CB-HF1-48/15	48	15	75	94	94	120	120	136	136	188	100	125	83	125	113	180	75	150	24	60	A	1,0	E 230
CB-HF1-48/20	48	20	100	125	125	160	160	182	182	250	133	167	111	167	150	240	100	200	32	80	A	1,0	E 230
CB-HF1-48/25	48	25	125	156	156	200	200	227	227	313	167	208	139	208	188	300	125	250	40	100	A	1,4	E 230
CB-HF1-48/30	48	30	150	188	188	240	240	273	273	375	200	250	167	250	225	360	150	300	48	120	B	1,8	E 230
CB-HF1-48/35	48	35	175	219	219	280	280	318	318	438	233	292	195	292	263	420	175	350	56	140	B	1,8	E 230

Item no.	Type	Description
CB-HF1-LOS	Protection against inadvertent start	Protection against inadvertent start
CB-HF1-FA	Remote indicator	Remote indicator to show charge end
CB-HF1-ST	Support fixing	Support to fix on bottom

Legend:				Box	L	B	H
PzS:	tubular plate traction battery, wet	GiS:	grid plate traction battery, wet	A	310	190	130
PzV:	tubular plate traction battery, gel, maintenance-free	GiV:	grid plate traction battery, gel, maintenance-free	B	320	210	180
AGM:	fleece battery, maintenance-free	Odyssey:	specifically for Odyssey batteries only				