HOPPECKE
POWER FROM INNOVATION

DATA SHEET

trak | charger LF classic

Reliable and robust 50Hz 1-phase and 3-phase chargers

Your advantages:

- Excellent value for money
- Discharge-independent automatic recharging in robust low-frequency technology
- One charger can charge several battery capacities without the need for separate programming
- Reliable and gentle charging independent of the degree of discharge
- Lower charging current changes in the event of mains deviations compared to WA chargers
- Simplest handling

Typical areas of application:

- Chargers for lead-acid traction batteries with liquid electrolyte
- Charging batteries from 24 to 80V DC
- Charging batteries from 45 to 1800Ah

Type overview trak | charger LF classic / -classic air

24V DC chargers: Capacity, dimensions and weight

Type	DC nominal voltage [V]	DC nominal current [A]	AC input voltage [V]	AC input current [A]	Dimensions (LxWxH) [mm]	Battery capacity 8h recharge time [Ah]	Weight LF classic [kg]	Weight LF classic air [kg]
trak | charger LF classic F1 24/10	24	10	1~ 230	1.5	320x300x285	45-65	13	-
trak | charger LF classic F1 24/15	24	15	1~ 230	2.2	320x300x285	65-95	14	-
trak | charger LF classic F1 24/20	24	20	1~ 230	3.0	320x300x285	95-125	15	-
trak | charger LF classic F1 24/25	24	25	1~ 230	3.7	320x300x285	120-155	16	-
trak | charger LF classic F1 24/30	24	30	1~ 230	4.4	320x300x285	145-190	17	-
trak | charger LF classic F1 24/35	24	35	1~ 230	5.1	320x300x285	165-220	18	-
trak | charger LF classic F1 24/40	24	40	1~ 230	5.9	320x300x285	190-250	19	-
trak | charger LF classic F1 24/45	24	45	1~ 230	6.6	320x300x285	215-280	21	-
trak | charger LF classic F1 24/50	24	50	1~ 230	7.3	320x300x285	250-315	22	-
trak | charger LF classic F1 24/55	24	55	1~ 230	8.1	320x300x285	260-345	23	-
trak | charger LF classic F1 24/60	24	60	1~ 230	8.8	320x300x285	300-375	24	-
trak | charger LF classic F1 24/65	24	65	1~ 230	9.6	320x300x285	310-405	24	-
trak | charger LF classic F1 24/70	24	70	1~ 230	10.3	370x375x340	330-435	27	-
trak | charger LF classic F1 24/80	24	80	1~ 230	11.8	370x375x340	380-500	29	47
trak | charger LF classic E230 G 24/85	24	85	1~ 230	13.7	760x500x400	465-530	48	49
trak | charger LF classic E230 G 24/90	24	90	1~ 230	14.6	760x500x400	495-560	48	49
trak | charger LF classic E230 G 24/100	24	100	1~ 230	16.2	760x500x400	550-630	49	50
trak | charger LF classic E230 G 24/125	24	125	1~ 230	20.2	760x500x400	690-780	56	57
trak | charger LF classic D400 G 24/40	24	40	3~ 400	2.4	760x500x400	220-250	-	43
trak | charger LF classic D400 G 24/50	24	50	3~ 400	3.0	760x500x400	275-315	44	45
trak | charger LF classic D400 G 24/60	24	60	3~ 400	3.6	760x500x400	330-380	45	46
trak | charger LF classic D400 G 24/80	24	80	3~ 400	4.8	760x500x400	440-505	50	51
trak | charger LF classic D400 G 24/90	24	90	3~ 400	5.4	760x500x400	495-560	52	53
trak | charger LF classic D400 G 24/95	24	95	3~ 400	5.7	760x500x400	520-595	52	53
trak | charger LF classic D400 G 24/100	24	100	3~ 400	6.0	760x500x400	550-630	53	54
trak | charger LF classic D400 G 24/110	24	110	3~ 400	6.6	760x500x400	605-685	54	55
trak | charger LF classic D400 G 24/120	24	120	3~ 400	7.2	760x500x400	660-750	56	57
trak | charger LF classic D400 G 24/125	24	125	3~ 400	7.5	760x500x400	690-780	58	59
trak | charger LF classic D400 G 24/130	24	130	3~ 400	7.8	760x500x400	715-815	60	61
trak | charger LF classic D400 G 24/140	24	140	3~ 400	8.4	760x500x400	770-875	60	61
trak | charger LF classic D400 G 24/150	24	150	3~ 400	9.0	760x500x400	825-940	62	63
trak | charger LF classic D400 G 24/160	24	160	3~ 400	9.6	760x500x400	880-1000	75	76
trak | charger LF classic D400 G 24/170	24	170	3~ 400	10.2	760x500x400	935-1060	77	78
trak | charger LF classic D400 G 24/180	24	180	3~ 400	10.8	760x500x400	990-1125	78	79
trak | charger LF classic D400 G 24/185	24	185	3~ 400	11.1	760x500x400	1020-1155	79	80
trak | charger LF classic D400 G 24/190	24	190	3~ 400	11.4	760x500x400	1045-1185	80	81
trak | charger LF classic D400 G 24/200	24	200	3~ 400	12.0	760x500x400	1100-1250	81	82
trak | charger LF classic D400 G 24/210	24	210	3~ 400	12.6	760x500x400	1155-1310	82	83
trak | charger LF classic D400 G 24/220	24	220	3~ 400	13.2	760x500x400	1210-1375	85	86

Type overview trak | charger LF classic / -classic air

36V DC chargers: Capacity, dimensions and weight

Type	DC nominal voltage [V]	DC nominal current [A]	AC input voltage [V]	AC input current [A]	Dimensions (LxWxH) [mm]	Battery capacity 8h recharge time [Ah]	Weight LF classic [kg]	Weight LF classic air [kg]
trak | charger LF classic F1 36/10	36	10	1~ 230	2.2	320x300x285	45-65	18	-
trak | charger LF classic F1 36/15	36	15	1~ 230	3.3	320x300x285	65-95	19	-
trak | charger LF classic F1 36/20	36	20	1~ 230	4.4	320x300x285	95-125	21	-
trak | charger LF classic F1 36/25	36	25	1~ 230	5.5	320x300x285	120-155	22	-
trak | charger LF classic F1 36/30	36	30	1~ 230	6.6	320x300x285	145-190	22	-
trak | charger LF classic F1 36/35	36	35	1~ 230	7.7	320x300x285	165-220	23	-
trak | charger LF classic F1 36/40	36	40	1~ 230	8.8	320x300x285	190-250	24	-
trak | charger LF classic F1 36/45	36	45	1~ 230	9.9	320x300x285	215-280	26	-
trak | charger LF classic F1 36/50	36	50	1~ 230	11.0	320x300x285	250-315	26	-
trak | charger LF classic F1 36/55	36	55	1~ 230	12.1	320x300x285	260-345	28	-
trak | charger LF classic F1 36/60	36	60	1~ 230	13.3	370x375x340	300-375	29	-
trak | charger LF classic E230 G 36/75	36	75	1~ 230	18.2	760x500x400	410-470	46	47
trak | charger LF classic E230 G 36/80	36	80	1~ 230	19.4	760x500x400	440-505	47	48
trak | charger LF classic E230 G 36/85	36	85	1~ 230	20.6	760x500x400	465-530	50	51
trak | charger LF classic E230 G 36/90	36	90	1~ 230	21.8	760x500x400	495-560	56	57
trak | charger LF classic E230 G 36/100	36	100	1~ 230	24.3	760x500x400	550-630	58	59
trak | charger LF classic E230 G 36/110	36	110	1~ 230	26.7	760x500x400	605-685	59	60
trak | charger LF classic E230 G 36/120	36	120	1~ 230	29.1	760x500x400	660-750	60	61
trak | charger LF classic E230 G 36/125	36	125	1~ 230	30.3	760x500x400	690-780	61	62
trak | charger LF classic D400 G 36/40	36	40	3~400	3.6	760x500x400	220-250	49	50
trak | charger LF classic D400 G 36/60	36	60	3~400	5.4	760x500x400	330-380	51	52
trak | charger LF classic D400 G 36/65	36	65	3~400	5.8	760x500x400	355-405	52	53
trak | charger LF classic D400 G 36/70	36	70	3~400	6.3	760x500x400	385-435	54	55
trak | charger LF classic D400 G 36/80	36	80	3~400	7.2	760x500x400	440-505	57	58
trak | charger LF classic D400 G 36/90	36	90	3~400	8.1	760x500x400	495-560	58	59
trak | charger LF classic D400 G 36/95	36	95	3~400	8.5	760x500x400	520-595	59	60
trak | charger LF classic D400 G 36/100	36	100	3~400	9.0	760x500x400	550-630	60	61
trak | charger LF classic D400 G 36/110	36	110	3~400	9.9	760x500x400	605-685	61	62
trak | charger LF classic D400 G 36/115	36	115	3~400	10.3	760x500x400	630-720	62	63
trak | charger LF classic D400 G 36/120	36	120	3~400	10.8	760x500x400	660-750	64	65
trak | charger LF classic D400 G 36/125	36	125	3~400	11.2	760x500x400	690-780	65	66
trak | charger LF classic D400 G 36/130	36	130	3~400	11.7	760x500x400	715-815	66	67
trak | charger LF classic D400 G 36/140	36	140	3~400	12.6	760x500x400	770-875	68	69
trak | charger LF classic D400 G 36/150	36	150	3~400	13.5	760x500x400	825-940	70	71
trak | charger LF classic D400 G 36/160	36	160	3~400	14.4	760x500x400	880-1000	72	73
trak | charger LF classic D400 G 36/170	36	170	3~400	15.3	760x500x400	935-1060	73	74
trak | charger LF classic D400 G 36/180	36	180	3~400	16.2	760x500x400	990-1125	75	76
trak | charger LF classic D400 G 36/185	36	185	3~400	16.6	760x500x400	1020-1155	78	79
trak | charger LF classic D400 G 36/190	36	190	3~400	17.1	760x500x400	1045-1185	82	83
trak | charger LF classic D400 G 36/200	36	200	3~400	18.0	760x500x400	1100-1250	88	89
trak | charger LF classic D400 G 36/210	36	210	3~400	18.9	760x500x400	1155-1310	90	91
trak | charger LF classic D400 G 36/220	36	220	3~400	19.8	760x500x400	1210-1375	93	94

Type overview trak | charger LF classic / -classic air

48V DC chargers: Capacity, dimensions and weight

Type	DC nominal voltage [V]	DC nominal current [A]	AC input voltage [V]	AC input current [A]	Dimensions (LxWxH) [mm]	Battery capacity 8h recharge time [Ah]	Weight LF classic [kg]	Weight LF classic air [kg]
trak | charger LF classic F1 48/20	48	20	1~ 230	5.9	320x300x285	95-125	25	-
trak | charger LF classic F1 48/25	48	25	1~ 230	7.3	320x300x285	120-155	25	-
trak | charger LF classic F1 48/30	48	30	1~ 230	8.8	320x300x285	145-190	27	-
trak | charger LF classic F1 48/35	48	35	1~ 230	10.3	320x300x285	165-220	27	-
trak | charger LF classic F1 48/40	48	40	1~ 230	11.8	370x375x340	190-250	28	-
trak | charger LF classic F1 48/45	48	45	1~ 230	13.3	370x375x340	215-280	28	-
trak | charger LF classic E230 G 48/50	48	50	1~ 230	16.2	760x500x400	275-315	45	46
trak | charger LF classic E230 G 48/55	48	55	1~ 230	17.8	760x500x400	300-345	46	47
trak | charger LF classic E230 G 48/60	48	60	1~ 230	19.4	760x500x400	330-380	58	59
trak | charger LF classic E230 G 48/65	48	65	1~ 230	21.0	760x500x400	355-405	58	59
trak | charger LF classic E230 G 48/70	48	70	1~ 230	22.7	760x500x400	385-435	59	60
trak | charger LF classic E230 G 48/80	48	80	1~ 230	25.9	760x500x400	440-505	60	61
trak | charger LF classic E230 G 48/90	48	90	1~ 230	29.1	760x500x400	495-560	61	62
trak | charger LF classic E230 G 48/100	48	100	1~ 230	32.3	760x500x400	550-630	62	63
trak | charger LF classic E230 G 48/110	48	110	1~ 230	35.6	760x500x400	605-685	63	64
trak | charger LF classic E230 G 48/120	48	120	1~ 230	38.8	760x500x400	660-750	65	66
trak | charger LF classic E230 G 48/125	48	125	1~ 230	40.4	760x500x400	690-780	68	69
trak | charger LF classic D400 G 48/40	48	40	3~400	4.8	760x500x400	220-250	52	53
trak | charger LF classic D400 G 48/60	48	60	3~400	7.2	760x500x400	330-380	58	59
trak | charger LF classic D400 G 48/65	48	65	3~400	7.8	760x500x400	355-405	58	59
trak | charger LF classic D400 G 48/70	48	70	3~400	8.4	760x500x400	385-435	61	62
trak | charger LF classic D400 G 48/80	48	80	3~400	9.6	760x500x400	440-505	62	63
trak | charger LF classic D400 G 48/90	48	90	3~400	10.8	760x500x400	495-560	64	65
trak | charger LF classic D400 G 48/100	48	100	3~400	12.0	760x500x400	550-630	65	66
trak | charger LF classic D400 G 48/110	48	110	3~400	13.2	760x500x400	605-685	66	67
trak | charger LF classic D400 G 48/115	48	115	3~400	13.8	760x500x400	630-720	68	69
trak | charger LF classic D400 G 48/120	48	120	3~400	14.4	760x500x400	660-750	72	73
trak | charger LF classic D400 G 48/125	48	125	3~400	15.0	760x500x400	690-780	72	73
trak | charger LF classic D400 G 48/130	48	130	3~400	15.6	760x500x400	715-815	73	74
trak | charger LF classic D400 G 48/140	48	140	3~400	16.8	760x500x400	770-880	74	75
trak | charger LF classic D400 G 48/150	48	150	3~400	18.0	760x500x400	825-940	75	76
trak | charger LF classic D400 G 48/160	48	160	3~400	19.2	760x500x400	880-1010	80	81
trak | charger LF classic D400 G 48/170	48	170	3~400	20.4	760x500x400	935-1060	82	83
trak | charger LF classic D400 G 48/180	48	180	3~400	21.6	760x500x400	810-900	88	89
trak | charger LF classic D400 G 48/185	48	185	3~400	22.2	760x500x400	1020-1155	91	92
trak | charger LF classic D400 G 48/190	48	190	3~400	22.8	760x500x400	1045-1185	92	93
trak | charger LF classic D400 G 48/200	48	200	3~400	24.0	900x500x400	1100-1260	96	97
trak | charger LF classic D400 G 48/210	48	210	3~400	25.2	900x500x400	1155-1310	99	100
trak | charger LF classic D400 G 48/220	48	220	3~400	26.4	900x500x400	1210-1375	100	101

Type overview trak | charger LF classic / -classic air

72V DC chargers: Capacity, dimensions and weight

Type	DC nominal voltage [V]	DC nominal current [A]	AC input voltage [V]	AC input current [A]	Dimensions (LxWxH) [mm]	Battery capacity 8h recharge time [Ah]	Weight LF classic [kg]	Weight LF classic air [kg]
trak | charger LF classic E230 G 72/20	72	20	1~ 230	9.7	760x500x400	110-125	48	49
trak | charger LF classic E230 G 72/25	72	25	1~ 230	12.1	760x500x400	135-155	50	51
trak | charger LF classic E230 G 72/30	72	30	1~ 230	14.6	760x500x400	165-185	53	54
trak | charger LF classic E230 G 72/35	72	35	1~ 230	17.0	760x500x400	190-220	55	56
trak | charger LF classic E230 G 72/40	72	40	1~ 230	19.4	760x500x400	220-250	56	57
trak | charger LF classic E230 G 72/50	72	50	1~ 230	24.3	760x500x400	275-315	58	59
trak | charger LF classic E230 G 72/60	72	60	1~ 230	29.1	760x500x400	330-380	61	62
trak | charger LF classic E230 G 72/70	72	70	1~ 230	34.0	760x500x400	385-435	63	64
trak | charger LF classic E230 G 72/80	72	80	1~ 230	38.8	760x500x400	440-505	65	66
trak | charger LF classic E230 G 72/90	72	90	1~ 230	43.7	760x500x400	495-560	68	69
trak | charger LF classic E230 G 72/100	72	100	1~ 230	48.5	760x500x400	550-630	73	74
trak | charger LF classic E230 G 72/110	72	110	1~ 230	53.4	760x500x400	605-685	82	83
trak | charger LF classic E230 G 72/120	72	120	1~ 230	58.2	760x500x400	660-750	86	87
trak | charger LF classic E230 G 72/125	72	125	1~ 230	60.7	900x500x400	690-780	88	89
trak | charger LF classic D400 G 72/40	72	40	3~400	7.2	760x500x400	220-250	63	-
trak | charger LF classic D400 G 72/50	72	50	3~400	9.0	760x500x400	275-315	65	-
trak | charger LF classic D400 G 72/55	72	55	3~400	9.9	760x500x400	300-345	67	-
trak | charger LF classic D400 G 72/60	72	60	3~400	10.8	760x500x400	330-380	70	-
trak | charger LF classic D400 G 72/70	72	70	3~400	12.6	760x500x400	385-435	75	76
trak | charger LF classic D400 G 72/80	72	80	3~400	14.4	760x500x400	440-505	78	79
trak | charger LF classic D400 G 72/85	72	85	3~400	15.3	760x500x400	465-530	79	80
trak | charger LF classic D400 G 72/90	72	90	3~400	16.2	760x500x400	495-560	81	82
trak | charger LF classic D400 G 72/100	72	100	3~400	18.0	760x500x400	550-630	82	83
trak | charger LF classic D400 G 72/110	72	110	3~400	19.8	760x500x400	605-685	85	86
trak | charger LF classic D400 G 72/120	72	120	3~400	21.6	760x500x400	660-750	88	89
trak | charger LF classic D400 G 72/125	72	125	3~400	22.5	760x500x400	690-780	90	91
trak | charger LF classic D400 G 72/130	72	130	3~400	23.4	760x500x400	715-815	92	93
trak | charger LF classic D400 G 72/135	72	135	3~400	24.3	900x500x400	740-845	94	95
trak | charger LF classic D400 G 72/140	72	140	3~400	25.2	900x500x400	770-880	96	97
trak | charger LF classic D400 G 72/150	72	150	3~400	27.0	900x500x400	825-940	100	101
trak | charger LF classic D400 G 72/160	72	160	3~400	28.8	900x500x400	880-1010	104	105
trak | charger LF classic D400 G 72/165	72	165	3~400	29.7	900x500x400	905-1030	106	107
trak | charger LF classic D400 G 72/170	72	170	3~400	30.6	900x600x500	935-1060	108	109
trak | charger LF classic D400 G 72/175	72	175	3~400	31.5	900x600x500	960-1095	130	131
trak | charger LF classic D400 G 72/180	72	180	3~400	32.4	900x600x500	810-900	135	136
trak | charger LF classic D400 G 72/190	72	190	3~400	34.2	900x600x500	1045-1185	137	138
trak | charger LF classic D400 G 72/200	72	200	3~400	36.0	900x600x500	1100-1260	140	141

Type overview trak | charger LF classic / -classic air

80V DC chargers: Capacity, dimensions and weight

Type	DC nominal voltage [V]	DC nominal current [A]	AC input voltage [V]	AC input current [A]	Dimensions (LxWxH) [mm]	Battery capacity 8h recharge time [Ah]	Weight LF classic [kg]	Weight LF classic air [kg]
trak | charger LF classic E230 G 80/20	80	20	1~ 230	10.8	760x500x400	110-125	50	51
trak | charger LF classic E230 G 80/25	80	25	1~ 230	13.5	760x500x400	135-155	52	53
trak | charger LF classic E230 G 80/30	80	30	1~ 230	16.2	760x500x400	165-185	53	54
trak | charger LF classic E230 G 80/35	80	35	1~ 230	18.9	760x500x400	190-220	54	55
trak | charger LF classic E230 G 80/40	80	40	1~ 230	21.6	760x500x400	220-250	56	57
trak | charger LF classic E230 G 80/50	80	50	1~ 230	27.0	760x500x400	275-315	62	63
trak | charger LF classic E230 G 80/60	80	60	1~ 230	32.2	760x500x400	330-380	66	67
trak | charger LF classic E230 G 80/70	80	70	1~ 230	37.7	760x500x400	385-440	72	73
trak | charger LF classic E230 G 80/80	80	80	1~ 230	43.1	760x500x400	440-505	75	74
trak | charger LF classic E230 G 80/90	80	90	1~ 230	48.5	760x500x400	495-560	76	77
trak | charger LF classic E230 G 80/100	80	100	1~ 230	53.9	760x500x400	550-630	78	79
trak | charger LF classic E230 G 80/110	80	110	1~ 230	59.3	760x500x400	605-685	82	83
trak | charger LF classic E230 G 80/120	80	120	1~ 230	64.7	900x500x400	660-750	92	93
trak | charger LF classic E230 G 80/125	80	125	1~ 230	67.4	900x500x400	690-780	95	96
trak | charger LF classic D400 G 80/40	80	40	3~400	8.0	760x500x400	220-250	66	67
trak | charger LF classic D400 G 80/50	80	50	3~400	10.0	760x500x400	275-315	70	71
trak | charger LF classic D400 G 80/55	80	55	3~400	11.0	760x500x400	300-345	71	72
trak | charger LF classic D400 G 80/60	80	60	3~400	12.0	760x500x400	330-380	72	73
trak | charger LF classic D400 G 80/70	80	70	3~400	14.0	760x500x400	385-440	74	75
trak | charger LF classic D400 G 80/80	80	80	3~400	16.0	760x500x400	440-505	80	81
trak | charger LF classic D400 G 80/85	80	85	3~400	17.0	760x500x400	465-530	81	82
trak | charger LF classic D400 G 80/90	80	90	3~400	18.0	760x500x400	495-560	82	83
trak | charger LF classic D400 G 80/100	80	100	3~400	20.0	760x500x400	550-630	84	85
trak | charger LF classic D400 G 80/110	80	110	3~400	22.0	760x500x400	605-685	88	89
trak | charger LF classic D400 G 80/120	80	120	3~400	24.0	760x500x400	660-750	90	91
trak | charger LF classic D400 G 80/125	80	125	3~400	25.0	900x500x400	690-780	92	93
trak | charger LF classic D400 G 80/130	80	130	3~400	26.0	900x500x400	715-815	95	96
trak | charger LF classic D400 G 80/135	80	135	3~400	27.0	900x500x400	740-845	96	97
trak | charger LF classic D400 G 80/140	80	140	3~400	28.0	900x500x400	770-880	100	101
trak | charger LF classic D400 G 80/150	80	150	3~400	30.0	900x600x500	825-940	105	106
trak | charger LF classic D400 G 80/160	80	160	3~400	32.0	900x600x500	880-1010	107	108
trak | charger LF classic D400 G 80/165	80	165	3~400	33.0	900x600x500	905-1030	108	109
trak | charger LF classic D400 G 80/170	80	170	3~400	34.0	900x600x500	935-1060	110	111
trak | charger LF classic D400 G 80/175	80	175	3~400	35.0	900x600x500	960-1095	135	136
trak | charger LF classic D400 G 80/180	80	180	3~400	36.0	900x600x500	818-900	140	141
trak | charger LF classic D400 G 80/190	80	190	3~400	38.0	900x600x500	1045-1185	142	143
trak | charger LF classic D400 G 80/200	80	200	3~400	40.0	900x600x500	1100-1260	145	146

Available AC plug devices:

- Schuko 230 1~
- SEV 1011 Type 23
- CEE 16A 230V 1~
- CEE 16A 400V 3~
- CEE 32A 400V 3~

Technical specification:

- 1Ph 230V / 3Ph 400V input voltage
- 50-60HZ WA or WpWa charging mode
- Designed for single or double shift operation
- Equalisation charge and trickle charge
- Alphanumeric display or LEDs to indicate state of charge and error codes
- Extra long charging cable
- Optionally with pump module for electrolyte circulation
- Thermal shut-off

HOPPECKE Batterien GmbH & Co. KG
Bontkirchener Straße 1
D – 59929 Brilon
Tel: + 49 (0) 2963 61- 475
Fax: + 49 (0) 2963 61- 270
motivepower@hoppecke.com

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