

Motive Power 50 Hz Chargers

FILON CLASSIC
50Hz



systems-sunlight.com

 **SUNLIGHT**
Reliable Battery Solutions

Filon Classic Charger Series

SUNLIGHT offers a wide range of Conventional Chargers suitable for all Lead-Acid battery types.

Filon Classic Chargers support the charging needs of every battery application while providing strong reliability, low battery recharge times and excellent utilization of the energy used for recharging.

Their robust construction as well as their simple design make them easy to install and easier to maintain.

Conventional 50 Hz Series

Product Range

FILON CLASSIC S

TECHNICAL CHARACTERISTICS

Charging voltage

12 V, 24 V

Max. rated output

0.75 kW



DIMENSIONS (mm)

Casing	Width	Height	Depth
KL 100	233	133	170
KL 200	300	175	210

FILON CLASSIC M

TECHNICAL CHARACTERISTICS

Charging voltage

12 V, 24 V, 36 V, 48 V, 80 V

Max. rated output

1.5 kW



DIMENSIONS (mm)

Casing	Width	Height	Depth
KL 300	360	210	260

FILON CLASSIC L

TECHNICAL CHARACTERISTICS

Charging voltage

24 V, 36 V, 48 V, 80 V

Max. rated output

2.4 kW



DIMENSIONS (mm)

Casing	Width	Height	Depth
KL 350	515	460	385

FILON CLASSIC XL

TECHNICAL CHARACTERISTICS

Charging voltage

24 V, 36 V, 48 V, 80 V

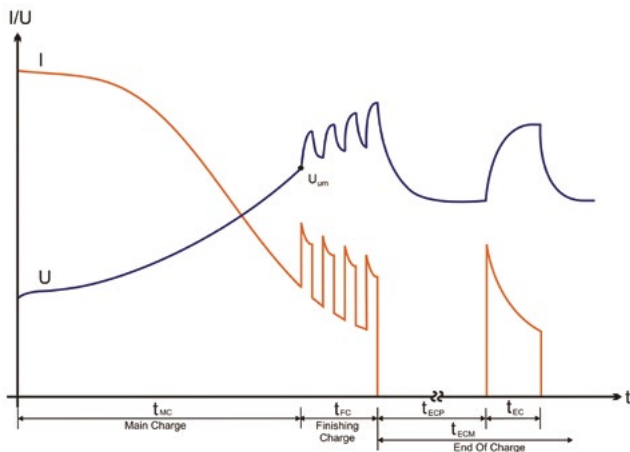
Max. rated output

30 kW



DIMENSIONS (mm)

Casing	Width	Height	Depth
KL 400	515	700	385
KL 500	700	1000	500



Fields of Application

Traction PzS, PzB (tubular), GiS (flat)
- Low maintenance LM PzS, PzB (tubular).

Features

Wa Pulse charging curve
Charge factor recharge control (Ah charge assessment)



Benefits

- Charging time reduction up to 2 hours using Pulse charge (compared to conventional Wa or W0Wa curves)
- Easy to use
- Robust industrial design
- Long service life
- Service friendly construction
- Full Automatic charging control with several safety parameters (temperature, time, switch-off on error)

Unique Benefits of Wa-Pulse charging curve

- Effective Acid Mixing
- Reduced Charge Time
- Low Charge Factor (1.12)
- Low Battery Temperature
- Low Water Consumption (up to 2 times less than Wa or W0Wa curves)
- Low Energy Consumption (up to 8-10% less than Wa or W0Wa curves)

Fast charging

Energy efficient

Extended battery life

Options

- **Air Lift**, electrolyte circulation for the reduction of charging time by up to 2,5 hours (for Wa and W0Wa curves) and lower energy and water consumption
- **Aquamatic**, automatic water refill system
- **HistoVision** (a combination of a read-out device and process software) for evaluation of the stored charging history
- **Safety Disconnect**. Stops the charge process if the battery/charger plugs are disconnected without previously switching the charger off.
- **External Charge Signal Indication**. An indicator for distant viewing of the charger status.



Wa / Wa-Puls DIN 41774

	Charger Type				Weight (kg)	Casing		Charging Time / Battery Capacity C ₅ (Ah)					
	Mains-Voltage (V)	Battery Voltage (V)	Nominal Charge Current (A)	Type Wa				10-14 h Wa 8-12 h Wa-Air lift 8.5-12.5 h Wa-Puls		7.5-8.5 h Wa-Puls		6-6.5 h Wa-Puls	
12V	E 230	G 12	3	B1-FML	3.0	KL 100	S	20	28	16	20	11	15
	E 230	G 12	5	B1-FML	3.5	KL 100	S	31	45	27	31	19	24
	E 230	G 12	6	B1-FML	3.5	KL 100	S	39	57	33	39	23	29
	E 230	G 12	7	B1-FML	4.0	KL 100	S	42	68	40	42	26	32
	E 230	G 12	8	B1-FML	4.5	KL 100	S	46	69	42	46	29	35
	E 230	G 12	10	B1-FML	5.0	KL 100	S	63	93	54	63	38	49
	E 230	G 12	12	B1-FML	5.0	KL 100	S	78	114	67	78	47	59
	E 230	G 12	15	B1-FML	5.5	KL 200	S	94	136	81	94	57	69
	E 230	G 12	20	B1-FML	8.0	KL 200	S	125	182	95	125	70	89
	E 230	G 12	25	B1-FML	10.0	KL 200	S	156	227	126	156	90	109
	E 230	G 12	30	B1-FML	11.0	KL 200	S	188	273	157	188	110	139
	E 230	G 12	35	B1-FML	11.5	KL 200	S	219	318	173	219	125	159
	E 230	G 12	40	B1-FML	12.0	KL 300	M	250	364	189	250	140	179
E 230	G 12	50	B1-FML	13.0	KL 300	M	313	455	251	313	180	219	
E 230	G 12	60	B1-FML	14.0	KL 300	M	375	545	314	375	220	259	
24V	E 230	G 24	15	B1-FML	10.0	KL 200	S	94	136	81	94	57	69
	E 230	G 24	20	B1-FML	11.0	KL 200	S	125	182	95	125	70	89
	E 230	G 24	25	B1-FML	15.0	KL 200	S	156	227	126	156	90	109
	E 230	G 24	30	B1-FML	16.0	KL 200	S	188	273	157	188	110	139
	E 230	G 24	40	B1-FML	19.0	KL 300	M	250	364	189	250	140	179
	E 230	G 24	50	B1-FML	20.0	KL 300	M	313	455	251	313	180	219
	E 230	G 24	60	B1-FML	21.0	KL 300	M	375	545	314	375	220	259
	E 230	G 24	70	B1-FML	45.0	KL 350	L	438	636	376	438	260	299
	E 230	G 24	80	B1-FML	45.0	KL 350	L	500	727	432	500	300	340
	E 230	G 24	90	B1-FML	47.0	KL 350	L	563	818	486	563	340	383
	E 230	G 24	100	B1-FML	50.0	KL 350	L	625	909	541	625	377	426
	Z 400	G 24	100	B1-FML	55.0	KL 350	L	625	909	541	625	377	426
	D 400	G 24	100	B1-FML	60.0	KL 400	XL	625	909	541	625	377	426
	D 400	G 24	110	B1-FML	60.0	KL 400	XL	688	1000	595	688	415	468
	D 400	G 24	120	B1-FML	60.0	KL 400	XL	750	1091	649	750	453	511
	D 400	G 24	130	B1-FML	63.0	KL 400	XL	813	1182	703	813	491	553
	D 400	G 24	140	B1-FML	65.0	KL 400	XL	875	1273	757	875	528	596
	D 400	G 24	150	B1-FML	68.0	KL 400	XL	938	1364	811	938	566	638
	D 400	G 24	160	B1-FML	70.0	KL 400	XL	1000	1455	865	1000	604	681
	D 400	G 24	170	B1-FML	73.0	KL 400	XL	1063	1545	919	1063	642	723
	D 400	G 24	180	B1-FML	75.0	KL 400	XL	1125	1636	973	1125	679	766
D 400	G 24	190	B1-FML	75.0	KL 400	XL	1188	1727	1027	1188	717	809	
D 400	G 24	200	B1-FML	80.0	KL 400	XL	1250	1818	1081	1250	755	851	
D 400	G 24	210	B1-FML	82.0	KL 400	XL	1313	1909	1135	1313	792	894	
D 400	G 24	220	B1-FML	85.0	KL 400	XL	1375	2000	1189	1375	830	936	
D 400	G 24	230	B1-FML	87.0	KL 400	XL	1438	2091	1243	1438	868	979	
D 400	G 24	240	B1-FML	90.0	KL 400	XL	1500	2182	1297	1500	906	1021	
D 400	G 24	250	B1-FML	93.0	KL 400	XL	1563	2273	1351	1563	943	1064	
36V	E 230	G 36	15	B1-FML	15.0	KL 300	M	94	136	81	94	57	69
	E 230	G 36	20	B1-FML	16.0	KL 300	M	125	182	95	125	70	89
	E 230	G 36	25	B1-FML	17.0	KL 300	M	156	227	126	156	90	109
	E 230	G 36	30	B1-FML	18.0	KL 300	M	188	273	157	188	110	139
	E 230	G 36	40	B1-FML	21.0	KL 300	M	250	364	189	250	140	179
	E 230	G 36	50	B1-FML	35.0	KL 350	L	313	455	251	313	180	219
	E 230	G 36	60	B1-FML	37.0	KL 350	L	375	545	314	375	220	259
	E 230	G 36	70	B1-FML	41.0	KL 350	L	438	636	376	438	260	299
	D 400	G 36	80	B1-FML	52.0	KL 400	XL	500	727	432	500	300	340
	D 400	G 36	90	B1-FML	54.0	KL 400	XL	563	818	486	563	340	383
	D 400	G 36	100	B1-FML	65.0	KL 400	XL	625	909	541	625	377	426
	D 400	G 36	110	B1-FML	65.0	KL 400	XL	688	1000	595	688	415	468
	D 400	G 36	120	B1-FML	66.0	KL 400	XL	750	1091	649	750	453	511
	D 400	G 36	130	B1-FML	67.0	KL 400	XL	813	1182	703	813	491	553
	D 400	G 36	140	B1-FML	68.0	KL 400	XL	875	1273	757	875	528	596
	D 400	G 36	150	B1-FML	70.0	KL 400	XL	938	1364	811	938	566	638
	D 400	G 36	160	B1-FML	75.0	KL 400	XL	1000	1455	865	1000	604	681
D 400	G 36	170	B1-FML	80.0	KL 400	XL	1063	1545	919	1063	642	723	

Wa / Wa-Puls DIN 41774

	Charger Type				Weight (kg)	Casing		Charging Time / Battery Capacity C ₅ (Ah)					
	Mains-Voltage (V)	Battery Voltage (V)	Nominal Charge Current (A)	Type Wa				10-14h Wa 8-12 h Wa-Air lift 8.5-12.5 h Wa-Puls		7.5-8.5 h Wa-Puls		6-6.5 h Wa-Puls	
36V	D 400	G 36	180	B1-FML	85.0	KL 400	XL	1125	1636	973	1125	679	766
	D 400	G 36	190	B1-FML	85.0	KL 400	XL	1188	1727	1027	1188	717	809
	D 400	G 36	200	B1-FML	90.0	KL 400	XL	1250	1818	1081	1250	755	851
	D 400	G 36	210	B1-FML	92.0	KL 400	XL	1313	1909	1135	1313	792	894
	D 400	G 36	220	B1-FML	95.0	KL 400	XL	1375	2000	1189	1375	830	936
	D 400	G 36	230	B1-FML	100.0	KL 500	XL	1438	2091	1243	1438	868	979
	D 400	G 36	240	B1-FML	105.0	KL 500	XL	1500	2182	1297	1500	906	1021
	D 400	G 36	250	B1-FML	110.0	KL 500	XL	1563	2273	1351	1563	943	1064
48V	E 230	G 48	15	B1-FML	22.0	KL 300	M	94	136	81	94	57	69
	E 230	G 48	20	B1-FML	25.0	KL 300	M	125	182	95	125	70	89
	E 230	G 48	25	B1-FML	27.0	KL 300	M	156	227	126	156	90	109
	E 230	G 48	30	B1-FML	29.0	KL 300	M	188	273	157	188	110	139
	E 230	G 48	40	B1-FML	42.0	KL 350	L	250	364	189	250	140	179
	E 230	G 48	50	B1-FML	45.0	KL 350	L	313	455	251	313	180	219
	D 400	G 48	60	B1-FML	65.0	KL 400	XL	375	545	314	375	220	259
	D 400	G 48	70	B1-FML	70.0	KL 400	XL	438	636	376	438	260	299
	D 400	G 48	80	B1-FML	75.0	KL 400	XL	500	727	432	500	300	340
	D 400	G 48	90	B1-FML	82.0	KL 400	XL	563	818	486	563	340	383
	D 400	G 48	100	B1-FML	85.0	KL 400	XL	625	909	541	625	377	426
	D 400	G 48	110	B1-FML	87.0	KL 400	XL	688	1000	595	688	415	468
	D 400	G 48	120	B1-FML	90.0	KL 400	XL	750	1091	649	750	453	511
	D 400	G 48	130	B1-FML	92.0	KL 400	XL	813	1182	703	813	491	553
	D 400	G 48	140	B1-FML	95.0	KL 400	XL	875	1273	757	875	528	596
	D 400	G 48	150	B1-FML	98.0	KL 400	XL	938	1364	811	938	566	638
	D 400	G 48	160	B1-FML	100.0	KL 400	XL	1000	1455	865	1000	604	681
	D 400	G 48	170	B1-FML	102.0	KL 400	XL	1063	1545	919	1063	642	723
	D 400	G 48	180	B1-FML	105.0	KL 400	XL	1125	1636	973	1125	679	766
	D 400	G 48	190	B1-FML	110.0	KL 400	XL	1188	1727	1027	1188	717	809
D 400	G 48	200	B1-FML	110.0	KL 400	XL	1250	1818	1081	1250	755	851	
D 400	G 48	210	B1-FML	115.0	KL 500	XL	1313	1909	1135	1313	792	894	
D 400	G 48	220	B1-FML	115.0	KL 500	XL	1375	2000	1189	1375	830	936	
D 400	G 48	230	B1-FML	118.0	KL 500	XL	1438	2091	1243	1438	868	979	
D 400	G 48	240	B1-FML	121.0	KL 500	XL	1500	2182	1297	1500	906	1021	
D 400	G 48	250	B1-FML	125.0	KL 500	XL	1563	2273	1351	1563	943	1064	
80V	E 230	G 80	15	B1-FML	17.0	KL 300	M	94	136	81	94	57	69
	E 230	G 80	20	B1-FML	27.0	KL 350	L	125	182	95	125	70	89
	E 230	G 80	25	B1-FML	29.0	KL 350	L	156	227	126	156	90	109
	D 400	G 80	30	B1-FML	50.0	KL 400	XL	188	273	157	188	110	139
	D 400	G 80	40	B1-FML	60.0	KL 400	XL	250	364	189	250	140	179
	D 400	G 80	50	B1-FML	70.0	KL 400	XL	313	455	251	313	180	219
	D 400	G 80	60	B1-FML	70.0	KL 400	XL	375	545	314	375	220	259
	D 400	G 80	70	B1-FML	80.0	KL 400	XL	438	636	376	438	260	299
	D 400	G 80	80	B1-FML	80.0	KL 400	XL	500	727	432	500	300	340
	D 400	G 80	90	B1-FML	90.0	KL 400	XL	563	818	486	563	340	383
	D 400	G 80	100	B1-FML	90.0	KL 400	XL	625	909	541	625	377	426
	D 400	G 80	110	B1-FML	95.0	KL 400	XL	688	1000	595	688	415	468
	D 400	G 80	120	B1-FML	100.0	KL 400	XL	750	1091	649	750	453	511
	D 400	G 80	130	B1-FML	110.0	KL 400	XL	813	1182	703	813	491	553
	D 400	G 80	140	B1-FML	140.0	KL 400	XL	875	1273	757	875	528	596
	D 400	G 80	150	B1-FML	150.0	KL 400	XL	938	1364	811	938	566	638
	D 400	G 80	160	B1-FML	160.0	KL 500	XL	1000	1455	865	1000	604	681
	D 400	G 80	170	B1-FML	170.0	KL 500	XL	1063	1545	919	1063	642	723
	D 400	G 80	180	B1-FML	180.0	KL 500	XL	1125	1636	973	1125	679	766
	D 400	G 80	190	B1-FML	200.0	KL 500	XL	1188	1727	1027	1188	717	809
D 400	G 80	200	B1-FML	200.0	KL 500	XL	1250	1818	1081	1250	755	851	
D 400	G 80	210	B1-FML	210.0	KL 500	XL	1313	1909	1135	1313	792	894	
D 400	G 80	220	B1-FML	220.0	KL 500	XL	1375	2000	1189	1375	830	936	
D 400	G 80	230	B1-FML	230.0	KL 500	XL	1438	2091	1243	1438	868	979	
D 400	G 80	240	B1-FML	240.0	KL 500	XL	1500	2182	1297	1500	906	1021	
D 400	G 80	250	B1-FML	250.0	KL 500	XL	1563	2273	1351	1563	943	1064	

W0Wa DIN 41774

	Charger Type				Weight (kg)	Casing		Charging Time / Battery Capacity C ₅ (Ah)			
	Mains Voltage (V)	Battery Voltage (V)	Nominal Charge Current (A)	Type W0Wa				7 - 8 h W0Wa Air lift		7.5-8 h W0Wa 5.5-6 h W0Wa Air lift	
12V	E 230	G 12	20	B2-FML	8.0	KL 200	S	95	125	70	89
	E 230	G 12	25	B2-FML	10.0	KL 200	S	126	156	90	109
	E 230	G 12	30	B2-FML	11.0	KL 200	S	157	188	110	139
	E 230	G 12	35	B2-FML	11.5	KL 200	S	172	219	135	159
	E 230	G 12	40	B2-FML	12.0	KL 300	M	189	250	140	179
	E 230	G 12	50	B2-FML	13.0	KL 300	M	251	313	180	219
	E 230	G 12	60	B2-FML	14.0	KL 300	M	314	375	220	259
24V	E 230	G 24	15	B2-FML	10.0	KL 200	S	81	94	57	69
	E 230	G 24	20	B2-FML	11.0	KL 200	S	95	125	70	89
	E 230	G 24	25	B2-FML	15.0	KL 300	M	126	156	90	109
	E 230	G 24	30	B2-FML	16.0	KL 300	M	157	188	110	139
	E 230	G 24	40	B2-FML	19.0	KL 300	M	189	250	140	179
	E 230	G 24	50	B2-FML	20.0	KL 300	M	251	313	180	219
	E 230	G 24	60	B2-FML	21.0	KL 300	M	314	375	220	259
	E 230	G 24	70	B2-FML	45.0	KL 350	L	376	438	260	299
	E 230	G 24	80	B2-FML	45.0	KL 350	L	432	500	300	340
	E 230	G 24	90	B2-FML	47.0	KL 350	L	486	563	340	383
	E 230	G 24	100	B2-FML	50.0	KL 350	L	541	625	377	426
	Z 400	G 24	100	B2-FML	55.0	KL 350	L	541	625	377	426
	D 400	G 24	100	B2-FML	60.0	KL 400	XL	541	625	377	426
	D 400	G 24	110	B2-FML	60.0	KL 400	XL	595	688	415	468
	D 400	G 24	120	B2-FML	60.0	KL 400	XL	649	750	453	511
	D 400	G 24	130	B2-FML	63.0	KL 400	XL	703	813	491	553
	D 400	G 24	140	B2-FML	65.0	KL 400	XL	757	875	528	596
	D 400	G 24	150	B2-FML	68.0	KL 400	XL	811	938	566	638
	D 400	G 24	160	B2-FML	70.0	KL 400	XL	865	1000	604	681
	D 400	G 24	170	B2-FML	73.0	KL 400	XL	919	1063	642	723
D 400	G 24	180	B2-FML	75.0	KL 400	XL	973	1125	679	766	
D 400	G 24	190	B2-FML	75.0	KL 400	XL	1027	1188	717	809	
D 400	G 24	200	B2-FML	80.0	KL 400	XL	1081	1250	755	851	
D 400	G 24	210	B2-FML	83.0	KL 400	XL	1135	1313	792	894	
D 400	G 24	220	B2-FML	85.0	KL 400	XL	1189	1375	830	936	
D 400	G 24	230	B2-FML	88.0	KL 400	XL	1243	1438	868	979	
D 400	G 24	240	B2-FML	90.0	KL 400	XL	1297	1500	906	1021	
D 400	G 24	250	B2-FML	95.0	KL 400	XL	1351	1563	943	1064	
36V	E 230	G 36	15	B2-FML	15.0	KL 300	M	81	94	57	69
	E 230	G 36	20	B2-FML	16.0	KL 300	M	95	125	70	89
	E 230	G 36	25	B2-FML	17.0	KL 300	M	126	156	90	109
	E 230	G 36	30	B2-FML	18.0	KL 300	M	157	188	110	139
	E 230	G 36	40	B2-FML	21.0	KL 300	M	189	250	140	179
	E 230	G 36	50	B2-FML	35.0	KL 350	L	251	313	180	219
	E 230	G 36	60	B2-FML	37.0	KL 350	L	314	375	220	259
	E 230	G 36	70	B2-FML	41.0	KL 350	L	376	438	260	299
	D 400	G 36	80	B2-FML	52.0	KL 400	XL	432	500	300	340
	D 400	G 36	90	B2-FML	54.0	KL 400	XL	486	563	340	383
	D 400	G 36	100	B2-FML	65.0	KL 400	XL	541	625	377	426
	D 400	G 36	110	B2-FML	65.0	KL 400	XL	595	688	415	468
	D 400	G 36	120	B2-FML	66.0	KL 400	XL	649	750	453	511
	D 400	G 36	130	B2-FML	67.0	KL 400	XL	703	813	491	553
	D 400	G 36	140	B2-FML	68.0	KL 400	XL	757	875	528	596
	D 400	G 36	150	B2-FML	70.0	KL 400	XL	811	938	566	638
	D 400	G 36	160	B2-FML	75.0	KL 400	XL	865	1000	604	681
	D 400	G 36	170	B2-FML	80.0	KL 400	XL	919	1063	642	723
	D 400	G 36	180	B2-FML	85.0	KL 400	XL	973	1125	679	766
	D 400	G 36	190	B2-FML	85.0	KL 400	XL	1027	1188	717	809
D 400	G 36	200	B2-FML	90.0	KL 400	XL	1081	1250	755	851	
D 400	G 36	210	B2-FML	93.0	KL 400	XL	1135	1313	792	894	
D 400	G 36	220	B2-FML	95.0	KL 400	XL	1189	1375	830	936	
D 400	G 36	230	B2-FML	100.0	KL 400	XL	1243	1438	868	979	
D 400	G 36	240	B2-FML	105.0	KL 400	XL	1297	1500	906	1021	
D 400	G 36	250	B2-FML	110.0	KL 500	XL	1351	1563	943	1064	

W0Wa DIN 41774

	Charger Type				Weight (kg)	Casing	Charging Time / Battery Capacity C ₅ (Ah)				
	Mains Voltage (V)	Battery Voltage (V)	Nominal Charge Current (A)	Type W0Wa			7 - 8 h W0Wa Air lift		7.5-8 h W0Wa 5.5-6 h W0Wa Air lift		
48V	E 230	G 48	15	B2-FML	22.0	KL 300	M	81	94	57	69
	E 230	G 48	20	B2-FML	25.0	KL 300	M	95	125	70	89
	E 230	G 48	25	B2-FML	27.0	KL 300	M	126	156	90	109
	E 230	G 48	30	B2-FML	29.0	KL 300	M	157	188	110	139
	E 230	G 48	40	B2-FML	42.0	KL 350	L	189	250	140	179
	E 230	G 48	50	B2-FML	45.0	KL 350	L	251	313	180	219
	D 400	G 48	60	B2-FML	65.0	KL 400	XL	314	375	220	259
	D 400	G 48	70	B2-FML	70.0	KL 400	XL	376	438	260	299
	D 400	G 48	80	B2-FML	75.0	KL 400	XL	432	500	300	340
	D 400	G 48	90	B2-FML	82.0	KL 400	XL	486	563	340	383
	D 400	G 48	100	B2-FML	85.0	KL 400	XL	541	625	377	426
	D 400	G 48	110	B2-FML	87.0	KL 400	XL	595	688	415	468
	D 400	G 48	120	B2-FML	90.0	KL 400	XL	649	750	453	511
	D 400	G 48	130	B2-FML	92.0	KL 400	XL	703	813	491	553
	D 400	G 48	140	B2-FML	95.0	KL 400	XL	757	875	528	596
	D 400	G 48	150	B2-FML	98.0	KL 400	XL	811	938	566	638
	D 400	G 48	160	B2-FML	100.0	KL 400	XL	865	1000	604	681
	D 400	G 48	170	B2-FML	102.0	KL 400	XL	919	1063	642	723
	D 400	G 48	180	B2-FML	105.0	KL 400	XL	973	1125	679	766
	D 400	G 48	190	B2-FML	110.0	KL 400	XL	1027	1188	717	809
D 400	G 48	200	B2-FML	110.0	KL 400	XL	1081	1250	755	851	
D 400	G 48	210	B2-FML	115.0	KL 500	XL	1135	1313	792	894	
D 400	G 48	220	B2-FML	115.0	KL 500	XL	1189	1375	830	936	
D 400	G 48	230	B2-FML	118.0	KL 500	XL	1243	1438	868	979	
D 400	G 48	240	B2-FML	120.0	KL 500	XL	1297	1500	906	1021	
D 400	G 48	250	B2-FML	125.0	KL 500	XL	1351	1563	943	1064	
80V	E 230	G 80	15	B2-FML	17.0	KL 300	M	81	94	57	69
	E 230	G 80	20	B2-FML	27.0	KL 350	L	95	125	70	89
	E 230	G 80	25	B2-FML	29.0	KL 350	L	126	156	90	109
	D 400	G 80	30	B2-FML	50.0	KL 400	XL	157	188	110	139
	D 400	G 80	40	B2-FML	60.0	KL 400	XL	189	250	140	179
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D 400	G 80	240	B2-FML	240.0	KL 500	XL	1297	1500	906	1021	
D 400	G 80	250	B2-FML	250.0	KI 500	XL	1351	1563	943	1064	

Important

Correct charger selection is crucial for the proper operation of your batteries. It is very important for the service life of your battery to select its charger based on the battery's capacity and voltage, the required charging time and its operating conditions.





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