

PowerBox

SLH 19C

High-Frequency
Battery Charger



SLH 19C Battery Charger

A three phase, high frequency charger, suitable for all lead-acid and lithium-ion battery types.

SLH 19C supports the charging needs of industrial mobility battery applications while providing strong reliability, and excellent utilization of the energy used for recharging. All model ranges cover mid and high battery capacities and mid and high nominal charge current.

Benefits of technology & design

- ✓ **High efficiency technology** for optimal energy consumption and cost savings (efficiency up to 95%)
- ✓ **High flexibility** with up to 4 pre-installed Sunlight charging curves (lead-acid standard/GEL & lithium-ion down to 1,5h charging time)
- ✓ **Optimized charging profiles** for quality charging that extends battery life
- ✓ **Lithium battery ready** (adding CAN BUS communication accessory)
- ✓ **Easy to use** with four (4) LED charging status indicators and multifunctional LCD display for monitoring real time charging curves and charging parameters
- ✓ **Easy to install** (wall mounting ready)



Battery compatibility

Lead-acid batteries

SUNLIGHT POWER BY KNOWLEDGE
PzS PzB XtremeForce MotionGel

Lead-acid charger available range

Battery voltage (V)	Nominal charge current (A)
24V	50-300A
36V	50-300A
48V	50-300A
72V	50-200A
80V	50-200A
96V	50-130A
120V	50-100A

Sunlight charging profiles

PzS PzB, CSM

Charging profile	Charging time
Std 2 profile	7-8h
Std 1 profile	10-12h

PzV, PzVB

Charging profile	Charging time
Gel profile	10-14h

CSM

Charging profile	Charging time
Cold profile	9-10h*
Hybrid profile (Opportunity)	5.5-6.5h*
Fast charge1 (AirLift)	Fast charge2 (AirLift)
4-4.5h	4.5-5h

*Available option with Air Lift (-0.5h in charging time)

Lithium-ion batteries

SUNLIGHT POWER BY KNOWLEDGE
LI.ON FORCE Li

Lithium-ion charger available range

Battery voltage (V)	Nominal charge current (A)
24V	50-350A
36V	50-350A
48V	50-350A
72V	50-350A
80V	50-350A

Sunlight charging profiles

Sunlight Li.ON FORCE Sunlight Li.ON FORCE Lite

Charging profile	Charging time
Li profile	Down to 1.5h

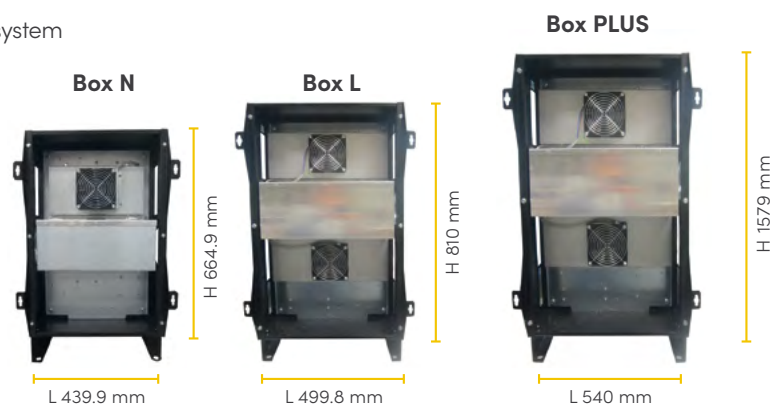
Technical specifications

Frequency	High frequency
Phase	Three-Phase
Mains voltage	Input supply 400VAC* \pm 10%
Output voltage	24, 36, 48V, 72V, 80V
Efficiency	Energy-efficient (efficiency up to 95%)
Lithium compatibility	Yes. Lithium battery ready (adding CAN BUS communication accessories)
Charging curve	IUI for Lead Acid Batteries Adjustable curve for Lithium (depending on the battery needs)
Charging profiles	Five(5) pre-programmed options of Sunlight charging profiles and five(5) for AirLift (8 memory slots) for Lead Acid Sunlight Batteries (Standard/GEL) one(1) Lithium profile adaptable/defined by the battery BMS
Selectable charging profiles	Yes, for Lead Acid Batteries (via buttons & Software)

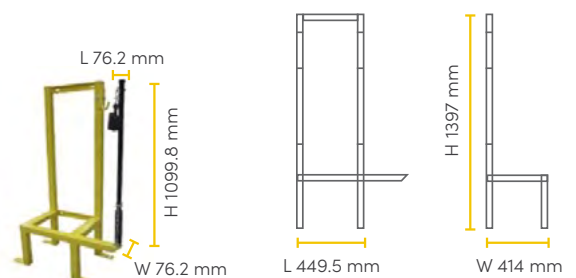
*different options available according to clients request

Product features

LEDs indicators	Four (4) LED charging status indicators
Buttons	Three (3) push buttons to access the menu for programming, testing and historical data visualization
Display	Advanced LCD display with charging Information (V, I, charging curve, charging time, Ah)
Cabinet sizes (mm)	Box N: L 439.9 / H 664.9 / W 379.9 Box L: L 499.8 / H 810 / W 399.8 BOX - PLUS: L 540 / H 1579 / W 385.8
Weight (kg)	Box N: 34.9 & 41.7 Box L: 41.7-59.8 Box PLUS: 109.7
Fans	Optimized ventilation system



Accessories	Floor support (W: 414 mm x H: 1397mm x L: 449mm) Cables support: (W: 76.2mm x H: 1099.8mm x L: 76.2mm)
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Lead-acid charger selection table

		Charger type			Charger dimensions				Charger AC info		Charger selection - Charging time/ Battery type / Charging profile / Battery capacity range C5 (Ah)												
Model	Mains voltage (V) 400VAC +/- 10%	Battery voltage (V)	Nominal charge current (A)	Width	Height	Depth	Weight (kg)	AC input current (A)	Mains plug type suggestion	PzS, PzB, CSM				PzV		CSM special profiles							
										7-8h or 6.5-7.5h (AirLift)		10-12h		10-14h		9-10h or 8.5-9.5h (AirLift)		5.5-6.5h or 5-6h (AirLift)		4 to 4.5 h (AirLift)		4.5 to 5 h (AirLift)	
										Std 2 profile	Std 1 profile	Gel profile	Cold profile	Hybrid (Opportunity) profile	Fast charge 1*	Fast charge 2*							
SLH 19C 24V50A	400VAC	24V	50	440mm	665mm	380mm	35kg	2.60	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
SLH 19C 24V60A	400VAC	24V	60A	440mm	665mm	380mm	35kg	3.13	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
SLH 19C 24V70A	400VAC	24V	70A	440mm	665mm	380mm	35kg	3.65	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
SLH 19C 24V80A	400VAC	24V	80A	440mm	665mm	380mm	35kg	4.17	CEE 3P +T 16A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
SLH 19C 24V90A	400VAC	24V	90A	440mm	665mm	380mm	35kg	4.75	CEE 3P +T 16A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
SLH 19C 24V100A	400VAC	24V	100A	440mm	665mm	380mm	35kg	5.22	CEE 3P +T 16A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
SLH 19C 24V110A	400VAC	24V	110A	440mm	665mm	380mm	35kg	5.75	CEE 3P +T 16A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
SLH 19C 24V120A	400VAC	24V	120A	440mm	665mm	380mm	35kg	6.27	CEE 3P +T 16A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
SLH 19C 24V130A	400VAC	24V	130A	440mm	665mm	380mm	35kg	6.78	CEE 3P +T 16A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
SLH 19C 24V140A	400VAC	24V	140A	440mm	665mm	380mm	35kg	7.31	CEE 3P +T 16A	770	955	1380	1630	980	1120	1140	1380	525	675	345	415	415	540
SLH 19C 24V150A	400VAC	24V	150A	440mm	665mm	380mm	35kg	7.81	CEE 3P +T 16A	825	1025	1475	1745	1050	1200	1220	1475	565	725	370	445	445	580
SLH 19C 24V160A	400VAC	24V	160A	440mm	665mm	380mm	35kg	8.35	CEE 3P +T 16A	880	1095	1575	1865	1120	1280	1305	1575	600	775	390	475	475	615
SLH 19C 24V170A	400VAC	24V	170A	440mm	665mm	380mm	35kg	8.85	CEE 3P +T 16A	935	1160	1675	1980	1190	1360	1385	1675	640	820	415	505	505	655
SLH 19C 24V180A	400VAC	24V	180A	440mm	665mm	380mm	35kg	9.40	CEE 3P +T 16A	990	1230	1775	2095	1260	1440	1465	1775	675	870	440	535	535	695
SLH 19C 24V190A	400VAC	24V	190A	440mm	665mm	380mm	35kg	9.90	CEE 3P +T 16A	1045	1300	1870	2210	1330	1520	1550	1870	715	920	465	565	565	730
SLH 19C 24V200A	400VAC	24V	200A	440mm	665mm	380mm	42kg	10.44	CEE 3P +T 16A	1100	1365	1970	2330	1400	1600	1630	1970	750	965	490	595	595	770
SLH 19C 24V220A	400VAC	24V	220A	500mm	810mm	400mm	42kg	11.49	CEE 3P +T 32A	1210	1505	2165	2560	1540	1760	1790	2165	825	1065	540	655	655	845
SLH 19C 24V240A	400VAC	24V	240A	500mm	810mm	400mm	42kg	12.53	CEE 3P +T 32A	1320	1640	2365	2795	1680	1920	1955	2365	900	1160	590	715	715	925
SLH 19C 24V260A	400VAC	24V	260A	500mm	810mm	400mm	42kg	13.54	CEE 3P +T 32A	1430	1775	2560	3025	1820	2080	2120	2560	980	1255	640	770	770	1000
SLH 19C 24V280A	400VAC	24V	280A	500mm	810mm	400mm	42kg	14.65	CEE 3P +T 32A	1540	1915	2760	3260	1960	2240	2280	2760	1055	1355	685	830	830	1080
SLH 19C 24V300A	400VAC	24V	300A	500mm	810mm	400mm	42kg	15.60	CEE 3P +T 32A	1650	2050	2955	3490	2100	2400	2445	2955	1130	1450	735	890	890	1155
SLH 19C 36V50A	400VAC	36V	50A	440mm	665mm	380mm	35kg	3.83	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
SLH 19C 36V60A	400VAC	36V	60A	440mm	665mm	380mm	35kg	4.59	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
SLH 19C 36V70A	400VAC	36V	70A	440mm	665mm	380mm	35kg	5.36	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
SLH 19C 36V80A	400VAC	36V	80A	440mm	665mm	380mm	35kg	6.13	CEE 3P +T 16A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
SLH 19C 36V90A	400VAC	36V	90A	440mm	665mm	380mm	35kg	6.90	CEE 3P +T 16A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
SLH 19C 36V100A	400VAC	36V	100A	440mm	665mm	380mm	35kg	7.66	CEE 3P +T 16A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
SLH 19C 36V110A	400VAC	36V	110A	440mm	665mm	380mm	35kg	8.45	CEE 3P +T 16A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
SLH 19C 36V120A	400VAC	36V	120A	440mm	665mm	380mm	35kg	9.19	CEE 3P +T 16A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
SLH 19C 36V130A	400VAC	36V	130A	440mm	665mm	380mm	35kg	10.05	CEE 3P +T 16A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
SLH 19C 36V140A	400VAC	36V	140A	440mm	665mm	380mm	35kg	10.72	CEE 3P +T 16A	770	955	1380	1630	980	1120	1140	1380	525	675	345	415	415	540
SLH 19C 36V150A	400VAC	36V	150A	440mm	665mm	380mm	35kg	11.49	CEE 3P +T 16A	825	1025	1475	1745	1050	1200	1220	1475	565	725	370	445	445	580
SLH 19C 36V160A	400VAC	36V	160A	440mm	665mm	380mm	35kg	12.25	CEE 3P +T 16A	880	1095	1575	1865	1120	1280	1305	1575	600	775	390	475	475	615
SLH 19C 36V170A	400VAC	36V	170A	500mm	810mm	400mm	55kg	13.05	CEE 3P +T 32A	935	1160	1675	1980	1190	1360	1385	1675	640	820	415	505	505	655
SLH 19C 36V180A	400VAC	36V	180A	500mm	810mm	400mm	55kg	13.78	CEE 3P +T 32A	990	1230	1775	2095	1260	1440	1465	1775	675	870	440	535	535	695
SLH 19C 36V190A	400VAC	36V	190A	500mm	810mm	400mm	55kg	14.50	CEE 3P +T 32A	1045	1300	1870	2210	1330	1520	1550	1870	715	920	465	565	565	730
SLH 19C 36V200A	400VAC	36V	200A	500mm	810mm	400mm	55kg	15.31	CEE 3P +T 32A	1100	1365	1970	2330	1400	1600	1630	1970	750	965	490	595	595	770
SLH 19C 36V220A	400VAC	36V	220A	500mm	810mm	400mm	55kg	16.85	CEE 3P +T 32A	1210	1505	2165	2560	1540	1760	1790	2165	825	1065	540	655	655	845
SLH 19C 36V240A	400VAC	36V	240A	500mm	810mm	400mm	55kg	18.38	CEE 3P +T 32A	1320	1640	2365	2795	1680	1920	1955	2365	900	1160	590	715	715	925
SLH 19C 36V260A	400VAC	36V	260A	500mm	810mm	400mm	59kg	19.90	CEE 3P +T 32A	1430	1775	2560	3025	1820	2080	2120	2560	980	1255	640	770	770	1000
SLH 19C 36V280A	400VAC	36V	280A	500mm	810mm	400mm	59kg	20.45	CEE 3P +T 32A	1540	1915	2760	3260	1960	2240	2280	2760	1055	1355	685	830	830	1080
SLH 19C 36V300A	400VAC	36V	300A	500mm	810mm	400mm	59kg	23.00	CEE 3P +T 32A	1650	2050	2955	3490	2100	2400	2445	2955	1130	1450	735	890	890	1155

Lead-acid charger selection table

		Charger type			Charger dimensions				Charger AC info		Charger selection - Charging time/ Battery type / Charging profile / Battery capacity range C5 (Ah)													
Model	Mains voltage (V) 400VAC +/- 10%	Battery voltage (V)	Nominal charge current (A)	Width	Height	Depth	Weight (kg)	AC input current (A)	Mains plug type suggestion	PzS, PzB, CSM				PzV		CSM special profiles								
										7-8h or 6.5-7.5h (AirLift)		10-12h		10-14h		9-10h or 8.5-9.5h (AirLift)		5,5-6,5h or 5-6h (AirLift)		4 to 4,5 h (AirLift)		4,5 to 5 h (AirLift)		
										Std 2 profile	Std 1 profile	Gel profile	Cold profile	Hybrid (Opportunity) Profile	Fast charge 1*	Fast charge 2*								
48V	SLH 19C 48V50A	400VAC	48V	50A	440mm	665mm	380mm	35kg	5.10	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
	SLH 19C 48V60A	400VAC	48V	60A	440mm	665mm	380mm	35kg	6.13	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
	SLH 19C 48V70A	400VAC	48V	70A	440mm	665mm	380mm	35kg	7.15	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
	SLH 19C 48V80A	400VAC	48V	80A	440mm	665mm	380mm	35kg	8.17	CEE 3P +T 16A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
	SLH 19C 48V90A	400VAC	48V	90A	440mm	665mm	380mm	35kg	9.19	CEE 3P +T 16A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
	SLH 19C 48V100A	400VAC	48V	100A	440mm	665mm	380mm	35kg	9.99	CEE 3P +T 16A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
	SLH 19C 48V110A	400VAC	48V	110A	440mm	665mm	380mm	35kg	10.99	CEE 3P +T 16A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
	SLH 19C 48V120A	400VAC	48V	120A	440mm	665mm	380mm	35kg	11.99	CEE 3P +T 16A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
	SLH 19C 48V130A	400VAC	48V	130A	440mm	665mm	380mm	35kg	13.00	CEE 3P +T 32A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
	SLH 19C 48V140A	400VAC	48V	140A	440mm	665mm	380mm	35kg	13.98	CEE 3P +T 32A	770	955	1380	1630	980	1120	1140	1380	525	675	345	415	415	540
	SLH 19C 48V150A	400VAC	48V	150A	440mm	665mm	380mm	35kg	14.98	CEE 3P +T 32A	825	1025	1475	1745	1050	1200	1220	1475	565	725	370	445	445	580
	SLH 19C 48V160A	400VAC	48V	160A	440mm	665mm	380mm	35kg	15.98	CEE 3P +T 32A	880	1095	1575	1865	1120	1280	1305	1575	600	775	390	475	475	615
	SLH 19C 48V170A	400VAC	48V	170A	500mm	810mm	400mm	55kg	16.98	CEE 3P +T 32A	935	1160	1675	1980	1190	1360	1385	1675	640	820	415	505	505	655
	SLH 19C 48V180A	400VAC	48V	180A	500mm	810mm	400mm	55kg	17.98	CEE 3P +T 32A	990	1230	1775	2095	1260	1440	1465	1775	675	870	440	535	535	695
	SLH 19C 48V190A	400VAC	48V	190A	500mm	810mm	400mm	55kg	18.99	CEE 3P +T 32A	1045	1300	1870	2210	1330	1520	1550	1870	715	920	465	565	565	730
	SLH 19C 48V200A	400VAC	48V	200A	500mm	810mm	400mm	55kg	19.98	CEE 3P +T 32A	1100	1365	1970	2330	1400	1600	1630	1970	750	965	490	595	595	770
	SLH 19C 48V220A	400VAC	48V	220A	500mm	810mm	400mm	55kg	21.97	CEE 3P +T 32A	1210	1505	2165	2560	1540	1760	1790	2165	825	1065	540	655	655	845
	SLH 19C 48V240A	400VAC	48V	240A	500mm	810mm	400mm	55kg	23.97	CEE 3P +T 32A	1320	1640	2365	2795	1680	1920	1955	2365	900	1160	590	715	715	925
	SLH 19C 48V260A	400VAC	48V	260A	500mm	810mm	400mm	59kg	25.98	CEE 3P +T 32A	1430	1775	2560	3025	1820	2080	2120	2560	980	1255	640	770	770	1000
	SLH 19C 48V280A	400VAC	48V	280A	500mm	810mm	400mm	59kg	27.98	CEE 3P +T 32A	1540	1915	2760	3260	1960	2240	2280	2760	1055	1355	685	830	830	1080
	SLH 19C 48V300A	400VAC	48V	300A	500mm	810mm	400mm	59kg	29.99	CEE 3P +T 32A	1650	2050	2955	3490	2100	2400	2445	2955	1130	1450	735	890	890	1155
72V	SLH 19C 72V50A	400VAC	72V	50A	440mm	665mm	380mm	35kg	7.72	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
	SLH 19C 72V60A	400VAC	72V	60A	440mm	665mm	380mm	35kg	8.70	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
	SLH 19C 72V70A	400VAC	72V	70A	440mm	665mm	380mm	35kg	10.80	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
	SLH 19C 72V80A	400VAC	72V	80A	440mm	665mm	380mm	35kg	12.34	CEE 3P +T 16A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
	SLH 19C 72V90A	400VAC	72V	90A	440mm	665mm	380mm	35kg	13.88	CEE 3P +T 16A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
	SLH 19C 72V100A	400VAC	72V	100A	500mm	810mm	400mm	55kg	15.42	CEE 3P +T 32A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
	SLH 19C 72V110A	400VAC	72V	110A	500mm	810mm	400mm	55kg	16.98	CEE 3P +T 32A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
	SLH 19C 72V120A	400VAC	72V	120A	500mm	810mm	400mm	55kg	18.55	CEE 3P +T 32A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
	SLH 19C 72V130A	400VAC	72V	130A	500mm	810mm	400mm	55kg	19.10	CEE 3P +T 32A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
	SLH 19C 72V140A	400VAC	72V	140A	500mm	810mm	400mm	55kg	20.45	CEE 3P +T 32A	770	955	1380	1630	980	1120	1140	1380	525	675	345	415	415	540
	SLH 19C 72V150A	400VAC	72V	150A	500mm	810mm	400mm	55kg	21.91	CEE 3P +T 32A	825	1025	1475	1745	1050	1200	1220	1475	565	725	370	445	445	580
	SLH 19C 72V160A	400VAC	72V	160A	500mm	810mm	400mm	59kg	23.38	CEE 3P +T 32A	880	1095	1575	1865	1120	1280	1305	1575	600	775	390	475	475	615
	SLH 19C 72V170A	400VAC	72V	170A	500mm	810mm	400mm	60kg	24.83	CEE 3P +T 32A	935	1160	1675	1980	1190	1360	1385	1675	640	820	415	505	505	655
	SLH 19C 72V180A	400VAC	72V	180A	500mm	810mm	400mm	60kg	26.30	CEE 3P +T 32A	990	1230	1775	2095	1260	1440	1465	1775	675	870	440	535	535	695
	SLH 19C 72V190A	400VAC	72V	190A	500mm	810mm	400mm	60kg	27.75	CEE 3P +T 32A	1045	1300	1870	2210	1330	1520	1550	1870	715	920	465	565	565	730
	SLH 19C 72V200A	400VAC	72V	200A	500mm	810mm	400mm	60kg	29.30	CEE 3P +T 32A	1100	1365	1970	2330	1400	1600	1630	1970	750	965	490	595	595	770

Lead-acid charger selection table

Model	Charger type			Charger dimensions				Charger AC info		Charger selection - Charging time/ Battery type / Charging profile / Battery capacity range C5 (Ah)														
	Mains voltage (V) 400VAC +/- 10%	Battery voltage (V)	Nominal charge current (A)	Width	Height	Depth	Weight (kg)	AC input current (A)	Mains plug type suggestion	PzS, PzB, CSM				PzV		CSM special profiles								
										7-8h or 6.5-7.5h (AirLift)		10-12h		10-14h		9-10h or 8.5-9.5h (AirLift)		5.5-6.5h or 5-6h (AirLift)		4 to 4.5 h (AirLift)		4.5 to 5 h (AirLift)		
										Std 2 profile	Std 1 profile	Gel profile	Cold profile	Hybrid (Opportunity) profile	Fast charge 1*	Fast charge 2*								
80 V	SLH 19C 80V50A	400VAC	80V	50A	440mm	665mm	380mm	35kg	8.15	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
	SLH 19C 80V60A	400VAC	80V	60A	440mm	665mm	380mm	35kg	9.78	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
	SLH 19C 80V70A	400VAC	80V	70A	440mm	665mm	380mm	35kg	11.40	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
	SLH 19C 80V80A	400VAC	80V	80A	440mm	665mm	380mm	35kg	13.03	CEE 3P +T 16A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
	SLH 19C 80V90A	400VAC	80V	90A	440mm	665mm	380mm	35kg	14.66	CEE 3P +T 32A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
	SLH 19C 80V100A	400VAC	80V	100A	500mm	810mm	400mm	55kg	16.29	CEE 3P +T 32A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
	SLH 19C 80V110A	400VAC	80V	110A	500mm	810mm	400mm	55kg	17.80	CEE 3P +T 32A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
	SLH 19C 80V120A	400VAC	80V	120A	500mm	810mm	400mm	55kg	19.55	CEE 3P +T 32A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
	SLH 19C 80V130A	400VAC	80V	130A	500mm	810mm	400mm	55kg	21.15	CEE 3P +T 32A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
	SLH 19C 80V140A	400VAC	80V	140A	500mm	810mm	400mm	55kg	22.81	CEE 3P +T 32A	770	955	1380	1630	980	1120	1140	1380	525	675	345	415	415	540
	SLH 19C 80V150A	400VAC	80V	150A	500mm	810mm	400mm	55kg	24.25	CEE 3P +T 32A	825	1025	1475	1745	1050	1200	1220	1475	565	725	370	445	445	580
	SLH 19C 80V160A	400VAC	80V	160A	500mm	810mm	400mm	59kg	26.07	CEE 3P +T 32A	880	1095	1575	1865	1120	1280	1305	1575	600	775	390	475	475	615
	SLH 19C 80V170A	400VAC	80V	170A	500mm	810mm	400mm	60kg	27.60	CEE 3P +T 32A	935	1160	1675	1980	1190	1360	1385	1675	640	820	415	505	505	655
	SLH 19C 80V180A	400VAC	80V	180A	500mm	810mm	400mm	60kg	29.40	CEE 3P +T 32A	990	1230	1775	2095	1260	1440	1465	1775	675	870	440	535	535	695
	SLH 19C 80V190A	400VAC	80V	190A	500mm	810mm	400mm	60kg	30.90	CEE 3P +T 32A	1045	1300	1870	2210	1330	1520	1550	1870	715	920	465	565	565	730
SLH 19C 80V200A	400VAC	80V	200A	500mm	810mm	400mm	60kg	32.10	CEE 3P +T 32A	1100	1365	1970	2330	1400	1600	1630	1970	750	965	490	595	595	770	
96 V	SLH 19C 96V50A	400VAC	96V	50A	440mm	665mm	380mm	35kg	9.78	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
	SLH 19C 96V60A	400VAC	96V	60A	440mm	665mm	380mm	35kg	11.73	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
	SLH 19C 96V70A	400VAC	96V	70A	440mm	665mm	380mm	35kg	14.10	CEE 3P +T 16A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
	SLH 19C 96V80A	400VAC	96V	80A	440mm	665mm	380mm	35kg	15.64	CEE 3P +T 32A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
	SLH 19C 96V90A	400VAC	96V	90A	500mm	810mm	400mm	55kg	17.55	CEE 3P +T 32A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
	SLH 19C 96V100A	400VAC	96V	100A	500mm	810mm	400mm	55kg	19.55	CEE 3P +T 32A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385
	SLH 19C 96V110A	400VAC	96V	110A	500mm	810mm	400mm	55kg	21.45	CEE 3P +T 32A	605	750	1085	1280	770	880	895	1085	415	530	270	325	325	425
	SLH 19C 96V120A	400VAC	96V	120A	500mm	810mm	400mm	55kg	23.55	CEE 3P +T 32A	660	820	1180	1395	840	960	980	1180	450	580	295	355	355	460
	SLH 19C 96V130A	400VAC	96V	130A	500mm	810mm	400mm	59kg	25.50	CEE 3P +T 32A	715	890	1280	1515	910	1040	1060	1280	490	630	320	385	385	500
120 V	SLH 19C 120V50A	400VAC	120V	50A	500mm	810mm	400mm	58kg	12.20	CEE 3P +T 16A	275	340	490	580	350	400	405	490	190	240	125	150	150	195
	SLH 19C 120V60A	400VAC	120V	60A	500mm	810mm	400mm	58kg	14.61	CEE 3P +T 16A	330	410	590	700	420	480	490	590	225	290	145	180	180	230
	SLH 19C 120V70A	400VAC	120V	70A	500mm	810mm	400mm	60kg	17.05	CEE 3P +T 32A	385	480	690	815	490	560	570	690	265	340	170	210	210	270
	SLH 19C 120V80A	400VAC	120V	80A	500mm	810mm	400mm	60kg	19.48	CEE 3P +T 32A	440	545	790	930	560	640	650	790	300	385	195	240	240	310
	SLH 19C 120V90A	400VAC	120V	90A	500mm	810mm	400mm	60kg	21.91	CEE 3P +T 32A	495	615	885	1050	630	720	735	885	340	435	220	265	265	345
	SLH 19C 120V100A	400VAC	120V	100A	500mm	810mm	400mm	60kg	24.35	CEE 3P +T 32A	550	685	985	1165	700	800	815	985	375	485	245	295	295	385

Lithium-ion charger selection table

Charger model			Charger dimensions	Charger consumption
Battery voltage (V)	Nominal charge current (A)	Mains voltage (V) 400VAC +/- 10%	Box type	Power (kW)
24 V	50A	400VAC	N	1.64
	100A	400VAC	N	3.27
	150A	400VAC	N	4.8
	200A	400VAC	N	6.55
	250A	400VAC	N	8.32
	300A	400VAC	L	9.6
	350A	400VAC	PLUS	11.2
36 V	50A	400VAC	N	2.4
	100A	400VAC	N	4.8
	150A	400VAC	N	7.2
	200A	400VAC	L	9.6
	250A	400VAC	L	12.48
	300A	400VAC	L	14.4
	350A	400VAC	PLUS	16.8
48 V	50A	400VAC	N	3.2
	100A	400VAC	N	6.26
	150A	400VAC	N	9.19
	200A	400VAC	L	12.26
	250A	400VAC	L	16.64
	300A	400VAC	L	19.2
	350A	400VAC	PLUS	16.8
72 V	50A	400VAC	N	4.6
	100A	400VAC	L	9.19
	150A	400VAC	L	13.95
	200A	400VAC	L	18.58
	250A	400VAC	PLUS	23.2
	300A	400VAC	PLUS	27.8
	350A	400VAC	PLUS	32.5
80 V	50A	400VAC	N	5.11
	100A	400VAC	L	10.21
	150A	400VAC	L	15.48
	200A	400VAC	L	20.64
	250A	400VAC	PLUS	25.8
	300A	400VAC	PLUS	31
	350A	400VAC	PLUS	36.1



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