

The proven Selectiva series with four power classes and housing versions offers a complete product range for 12, 24, 36, 48, 72 and 80 volt forklift batteries.



MAXIMUM ENERGY EFFICIENCY

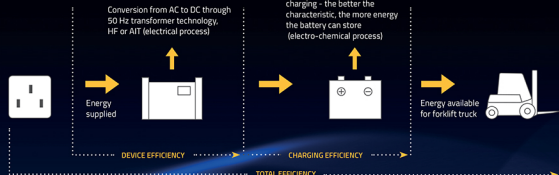
When charging a traction battery, the flow of energy from the socket via the charger to the battery is represented in the form of total efficiency.

As a first step, the energy coming from the socket into the battery charger is converted from AC to DC. What is important here is the battery charging technology that the charger employs.

This electrical process determines the device efficiency. This is followed by an electrochemical process in which the battery is charged by means of a charging characteristic, which is referred to as charging efficiency.

Multiplying both processes together gives the total efficiency.

Characteristic-based battery charging - the better the characteristic, the more energy the battery can store (electro-chemical process)



TECHNOLOGY	DEVICE EFFICIENCY	CHARGING EFFICIENCY	TOTAL EFFICIENCY
50 Hz	80%	70%	56%
HF	90%	75%	68%
Fronius AIT	92%	80%	74%
Fronius AIT with Ri	93%	90%	84%

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RI CHARGING PROCESS

The Ri charging process adapts to the demands on each battery and only charges the battery with the current that it really needs according to its age and state of charge. Gassing and/or battery warming is therefore minimised resulting in maximum battery service life.

LESS MAINTENANCE

Charging processes that are adapted to the demands of the battery prevent uncontrolled overloads and decrease maintenance requirements (less water required, less work). The service life of the battery increases as a result.

It is possible to recover / recharge deeply discharged, and sulphated batteries, using one of the unique charging profiles that are pre-programmed into the Selectiva Plus models.

SELECTION TABLE

BATTERY VOLTAGE	WET BATTERIES (P+5)														VRLA BATTERY				DEVICE TYPE	COMPARATIVE TABLE FOR NOMINAL VOLTAGE	POWER SUPPLY VOLTAGE CURRENT	HOUSING
	6h	7h	8h	9h	10h	11h	12h	13h	14h	10h	12h	14h										
	CAPACITY (Ah)																					
12V	110	135	165	195	225	250				120	140	160	Selectiva 1020	12V - 25A	E230V/2A	1						
	160	190	240	300	345	375				180	200	220	Selectiva 1030	12V - 40A	E230V/2A	1						
	52	65	80	95	110	125				55	70	85	Selectiva 2010	24V - 15A	E230V/2A	1						
	80	100	125	150	170	185				80	105	120	Selectiva 2015	24V - 20A	E230V/2A	1						
	110	135	165	195	225	250				120	140	160	Selectiva 2015	24V - 25A	E230V/2A	1						
	180	210	260	320	360	400				190	205	220	Selectiva 2032	24V - 40A	E230V/4A	1						
	200	230	290	345	395	440				220	250	280	Selectiva 2040	24V - 45A	E230V/7A	1						
	185	240	290	345	395	445	495	545	595	220	250	280	Selectiva Plus 2035	24V - 45A	E230V/6A	2						
	280	365	440	520	595	675	750	825	900	280	330	420	Selectiva Plus 2050	24V - 60A	E230V/7A	2						
	355	470	575	680	775	875	980	1070	1170	360	430	540	Selectiva Plus 2065	24V - 80A	E230V/9A	2						
24V	450	580	710	830	950	1075	1200	1320	1440	440	530	670	Selectiva Plus 2080	24V - 100A	E230V/11A	2						
	560	730	880	1040	1190	1350	1500	1650	1800	560	670	835	Selectiva Plus 2100	24V - 120A	E230V/16A	2						
	560	730	880	1040	1190	1350	1500	1650	1800	560	670	835	Selectiva 2100	24V - 120A	400V/6A	3						
	670	870	1060	1250	1430	1600	1800	1980	2160	670	800	1000	Selectiva 2120	24V - 145A	400V/7A	3						
	800	1000	1240	1460	1680	1880	2100	2310	2520	780	930	1170	Selectiva 2140	24V - 170A	400V/8A	3						
	930	1150	1420	1650	1920	2140	2400	2640	2880	900	1170	1350	Selectiva 2160	24V - 190A	400V/9A	3						
	1010	1205	1595	1875	2150	2407	2700	2970	3240				Selectiva 2180	24V - 220A	400V/11A	3						
	1120	1450	1770	2080	2390	2675	3000	3300	3600				Selectiva 2200	24V - 240A	400V/12A	3						
	140	180	220	260	300	335	375	410	450	140	170	210	Selectiva Plus 4025	48V - 30A	E230V/7A	2						
	185	240	290	345	395	445	495	545	595	220	250	280	Selectiva Plus 4035	48V - 45A	E230V/10A	2						
36V/48V	280	365	440	520	595	675	750	825	900	280	330	420	Selectiva Plus 4050	48V - 60A	E230V/16A	2						
	340	440	530	620	720	800	900	990	1080	340	400	505	Selectiva 4060	48V - 70A	400V/8A	3						
	420	545	660	780	890	1015	1125	1240	1350	420	480	620	Selectiva 4075	48V - 85A	400V/9A	3						
	505	655	795	935	1075	1220	1360	1485	1620	505	600	750	Selectiva 4090	48V - 110A	400V/10A	3						
	670	870	1060	1250	1430	1600	1800	1980	2160	670	800	1000	Selectiva 4120	48V - 145A	400V/13A	3						
	800	1000	1240	1460	1680	1880	2100	2310	2520	780	930	1170	Selectiva 4140	48V - 170A	400V/15A	3						
	870	1085	1345	1575	1825	2040	2280	2508	2740	850	1010	1270	Selectiva 4160	48V - 190A	400V/15A	3						
	225	290	355	415	480	535	600	660	720	225	265	335	Selectiva 8040	80V - 50A	400V/8A	3						
	340	440	530	620	720	800	900	990	1080	340	400	505	Selectiva 8060	80V - 70A	400V/11A	3						
	420	545	660	780	890	1015	1125	1240	1350	420	480	620	Selectiva 8075	80V - 90A	400V/13A	3						
80V/72V	405	635	770	910	1050	1190	1330	1470	1610	580	720	860	Selectiva 8090	80V - 110A	400V/15A	3						
	670	870	1060	1250	1430	1600	1800	1980	2160	670	800	1000	Selectiva 8120	80V - 145A	400V/22A	4						
	800	1000	1240	1460	1680	1880	2100	2310	2520	780	930	1170	Selectiva 8140	80V - 170A	400V/25A	4						
	930	1150	1420	1650	1920	2140	2400	2640	2880	900	1170	1350	Selectiva 8160	80V - 190A	400V/28A	4						
	1000	1250	1550	1790	2090	2330	2610	2870	3130	970	1260	1460	Selectiva 8180	80V - 220A	400V/30A	4						

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