

Technical data

Selectiva 8 kW



WARNING! An electric shock due to a fault current can be fatal. Nothing other than a type B residual current circuit breaker should ever be used for connecting the device to the mains.

Mains voltage (-10% / +30%) ¹⁾	3~ NPE 400 V / 50/60 Hz
Optional:	3~ PE 400 V / 50/60 Hz
Mains fuse protection ²⁾	16 A
Minimum mains lead cross section	2.5 mm ² (0.003875 in ²)
Duty cycle	100%
EMC device class	B
Protection class	1
Max. permitted mains impedance Z_{max} at PCC ³⁾	none
Degree of protection ⁴⁾	IP 20
Overvoltage category	III
Operating temperature ⁵⁾	-20 °C to +40 °C (-4 °F to 104 °F)
Storage temperature	-25 °C to +80 °C (-13 °F to 176 °F)
Relative humidity	maximum 85%
Maximum altitude above sea level	2000 m (6561 ft.)
Marks of conformity	according to rating plate
Product standard	EN62477-1
Dimensions l x w x h	633 x 180 x 344 mm (24.92 x 7.09 x 13.54 in.)
Weight (with standard mains and charging leads)	23 kg (50.71 lb)
Pollution level	3

- 1) The device is approved for operation on neutral-earthed mains networks with a maximum outer conductor nominal voltage of 400 V. A mains voltage tolerance of -10% / +15% applies for the electrolyte circulation and relay board options.
- 2) If the charger is protected by a 32 A fuse, the thermal stress of the automatic circuit breaker must not exceed 82000 A²s.
The earth leakage current is less than 3.5 mA.
- 3) Interface to a 230/400 V, 50 Hz public grid
- 4) For indoor use only, do not expose to rain or snow
- 5) A high ambient temperature may result in power degradation (derating).

Cable lengths must not exceed 30 m (98 ft. 5.1 in.).

Device-specific data

Device	Max. AC current	Max. AC power	Nominal voltage	Max. charging current
Selectiva 2100	11 A	3900 W	24 V	100 A
Selectiva 2120	12.5 A	4600 W	24 V	120 A
Selectiva 2140	14.5 A	5400 W	24 V	140 A
Selectiva 2160	10 A	6100 W	24 V	160 A

Device-specific data				
Device	Max. AC current	Max. AC power	Nominal voltage	Max. charging current
Selectiva 2180	11 A	6800 W	24 V	180 A
Selectiva 2200	11 A	6900 W	24 V	200 A
Selectiva 4060	12.5 A	4600 W	48 V	60 A
Selectiva 4075	15 A	5700 W	48 V	75 A
Selectiva 4090	11 A	6800 W	48 V	90 A
Selectiva 4120	14 A	8800 W	48 V	120 A
Selectiva 4140	15 A	9500 W	48 V	140 A
Selectiva 4160	15.5 A	9600 W	48 V	160 A
Selectiva 8040	8.5 A	5000 W	80 V	40 A
Selectiva 8060	12 A	7500 W	80 V	60 A
Selectiva 8075	14.5 A	9100 W	80 V	75 A
Selectiva 8090	14.5 A	9200 W	80 V	90 A

Selectiva 16 kW



WARNING! An electric shock due to a fault current can be fatal. Nothing other than a type B residual current circuit breaker should ever be used for connecting the device to the mains.

Mains voltage (-10% / +30%) ¹⁾	3~ NPE 400 V / 50/60 Hz
Optional:	3~ PE 400 V / 50/60 Hz
Mains fuse protection ²⁾	32 A
Minimum mains lead cross section	
Selectiva 8120 / 8140	4 mm ² (0.0062 in ²)
Selectiva 8160 / 8180	6 mm ² (0.0093 in ²)
Duty cycle	100%
EMC device class	B
Protection class	1
Max. permitted mains impedance Z_{max} at PCC ³⁾	According to the "Device-specific data" table below
Degree of protection ⁴⁾	IP 20
Overvoltage category	III
Operating temperature ⁵⁾	-20 °C to +40 °C (-4 °F to 104 °F)
Storage temperature	-25 °C to +80 °C (-13 °F to 176 °F)
Relative humidity	maximum 85%
Maximum altitude above sea level	2000 m (6561 ft.)
Marks of conformity	according to rating plate
Product standard	EN62477-1
Dimensions l x w x h	647 x 247 x 392 mm (25.47 x 9.72 x 15.43 in.)
Weight (with standard mains and charging leads)	36.8 kg (81.13 lb)
Pollution level	3

- 1) The device is approved for operation on neutral-earthed mains networks with a maximum outer conductor nominal voltage of 400 V. A mains voltage tolerance of -10% / +15% applies for the electrolyte circulation and relay board options.
- 2) The earth leakage current is less than 3.5 mA.
- 3) Interface to a 230/400 V, 50 Hz public grid
- 4) For indoor use only, do not expose to rain or snow
- 5) A high ambient temperature may result in power degradation (derating).

Cable lengths must not exceed 30 m (98 ft. 5.1 in.).

Device-specific data					
Device	Max. AC current	Max. AC power	Nominal voltage	Max. charging current	Z_{max}
Selectiva 8120	24.5 A	14800 W	80 V	120 A	96 mOhm
Selectiva 8140	28 A	17200 W	80 V	140 A	82 mOhm
Selectiva 8160	29.5 A	18200 W	80 V	160 A	74 mOhm
Selectiva 8180	29.5 A	18300 W	80 V	180 A	67 mOhm