Brochure | EN

Inverter i500

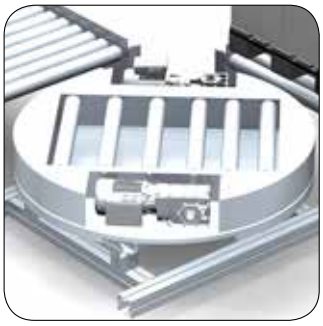
Lenze

Lenze makes many things easy for you.

With our motivated and committed approach, we work together with you to create the best possible solution and set your ideas in motion - whether you are looking to optimise an existing machine or develop a new one. We always strive to make things easy and seek perfection therein. This is anchored in our thinking, in our services and in every detail of our products. It's as easy as that!

On principle, always perfect: the new i500

The i500 is ideal for numerous applications: travelling drives, conveyor drives, shaper drives, pumps and fans, tool drives, hoist drives and winding drives.



Less means more!

Focused on the essentials: the new i500

i500 is the new inverter series - a streamlined design, scalable functionality and exceptional user-friendliness.

Fewer unnecessary elements ⇢ **More** cost savings

- High scalability in terms of the mains voltage range, rated power and modular structure
- Supports all current networks
- Diagnostics via keypad, USB or WLAN

- Optimised solution for individual customer requirements
- Flexibility

Smaller size ⇢ **More** space in the control cabinet

- Compact size: up to 11 kW just 130mm deep and up to 2.2 kW just 60mm wide
- Side-by-side installation: can be mounted adjacent to each other

- Provides solutions in limited spaces
- Smaller control cabinets reduce costs

Lower engineering expenditure ⇢ **More** time for what really matters

- Intuitively logical structure of parameters
- Easy controller integration

- Saves time in engineering
- Reduction in potential error sources

Lower installation expense ⇢ **More** productivity

- Keyhole mounting
- Pluggable terminals up to 2.2 kW
- Out-of the box operability. Simply connect, start, go!
- Plug-in memory module

- Saves time during installation
- Fewer faults in use
- Lower costs in the event of a service

Lower energy consumption ⇢ **More** sustainability

- Fewer inverter losses thanks to the use of cutting-edge technologies
- Energy-efficient

- Best efficiency values, lowest energy costs
- Future-proof thanks to DIN EN 50598

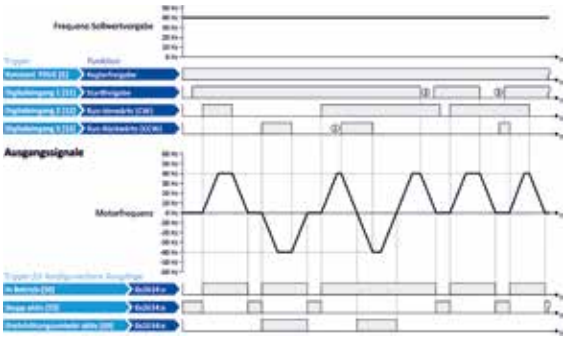
Less downtime ⇢ **More** reliability

- Robust single board design
- Entire device produced by Lenze

- Lower quality assurance costs in manufacture
- Reduces operational guarantee costs

Functionality

i500 provides a high-quality frequency inverter that already conforms to future standard in accordance with the EN 50598-2 efficiency classes (IE). Overall, this provides a reliable and future-proof drive for a wide range of machine applications.

Adjustable motor controls for three-phase AC current motors	
	• V/f characteristic control linear/square-law (VFC plus) • Sensorless vector control (SLV) • Energy saving function (VFCeco) • Servo control for asynchronous motorsn • Sensorless vector control for synchronous motors
Motor functions	
	• Flying restart circuit • Slip compensation • Energy saving function (VFCeco) • DC braking • Oscillation damping • Skip frequencies • Automatic identification of the motor data • Brake energy management • Holding brake control • Voltage add – function • Rational Energy Ride Through (backup operation in case of mains failure) • Speed feedback (HTL encoder) • Brake resistor control (brake chopper integrated) • DC-bus connection (400V devices)
Application functions	
	• Process controller • Process controller - idle state and rinse function • Freely assignable favorite menu • Parameter change-over • S-shaped ramps for smooth acceleration • Motor potentiometer • Flexible I/O configuration • Access protection • Automatic restart • OEM parameter set

Monitoring

RDY	ERR	Status/meaning
off	off	No supply voltage
1 Hz		Safe torque off (STO) active.
		Safe torque off (STO) active, warning active
H		Inverter inhibited
		Inverter inhibited, no DC-bus voltage
		Inverter inhibited, warning active
		Inverter inhibited, error available
		Inverter enabled and motor running
		Inverter enabled and motor running, warning pending
		Inverter enabled, quick stop as response to a fault active

Error message	Cause and remedy (W = warning, T = trouble, F = fault)
.2382/.2383	Ixt fault/Ixt warning
.3210/.3211	Overvoltage DC-bus/warning overvoltage DC-bus
.3220/.3221	DC-bus voltage too low for switch-on
.3222	DC-bus voltage too low for switch-on
.4310	Motor overtemperature fault
.6280	Trigger/functions incorrectly connected. In flexible mode, the controller release or Run/Stop must be allocated to an I/O. Do not use start-forwards/backwards and run-forwards/backwards at the same time.
.FF37	Automatic start inhibited

- Short circuit
- Earth fault
- Device overload monitoring (i*t)
- Motor overload monitoring (i²*t)
- Mains phase failure
- Stalling protection
- Motor current limit
- Maximum torque
- Ultimate motor current
- Motor speed monitoring
- Load loss detection
- Motor temperature monitoring (PTC and thermal contact)

Diagnostics

- Error history buffer
- Logbook
- LED status displays
- Keypad language selection German, English

Safety functions (optional)

- STO (Safe torque off)

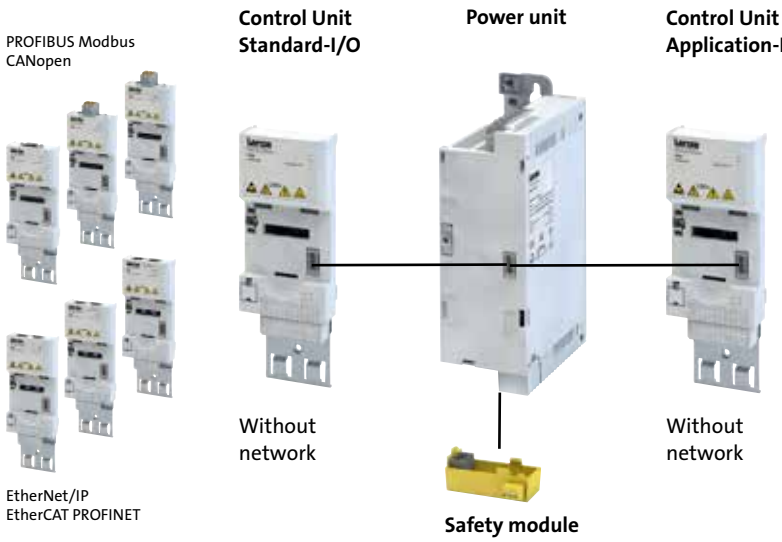
Network (optional)

- CANopen
- Modbus
- EtherCAT
- EtherNet/IP
- PROFIBUS
- PROFINET

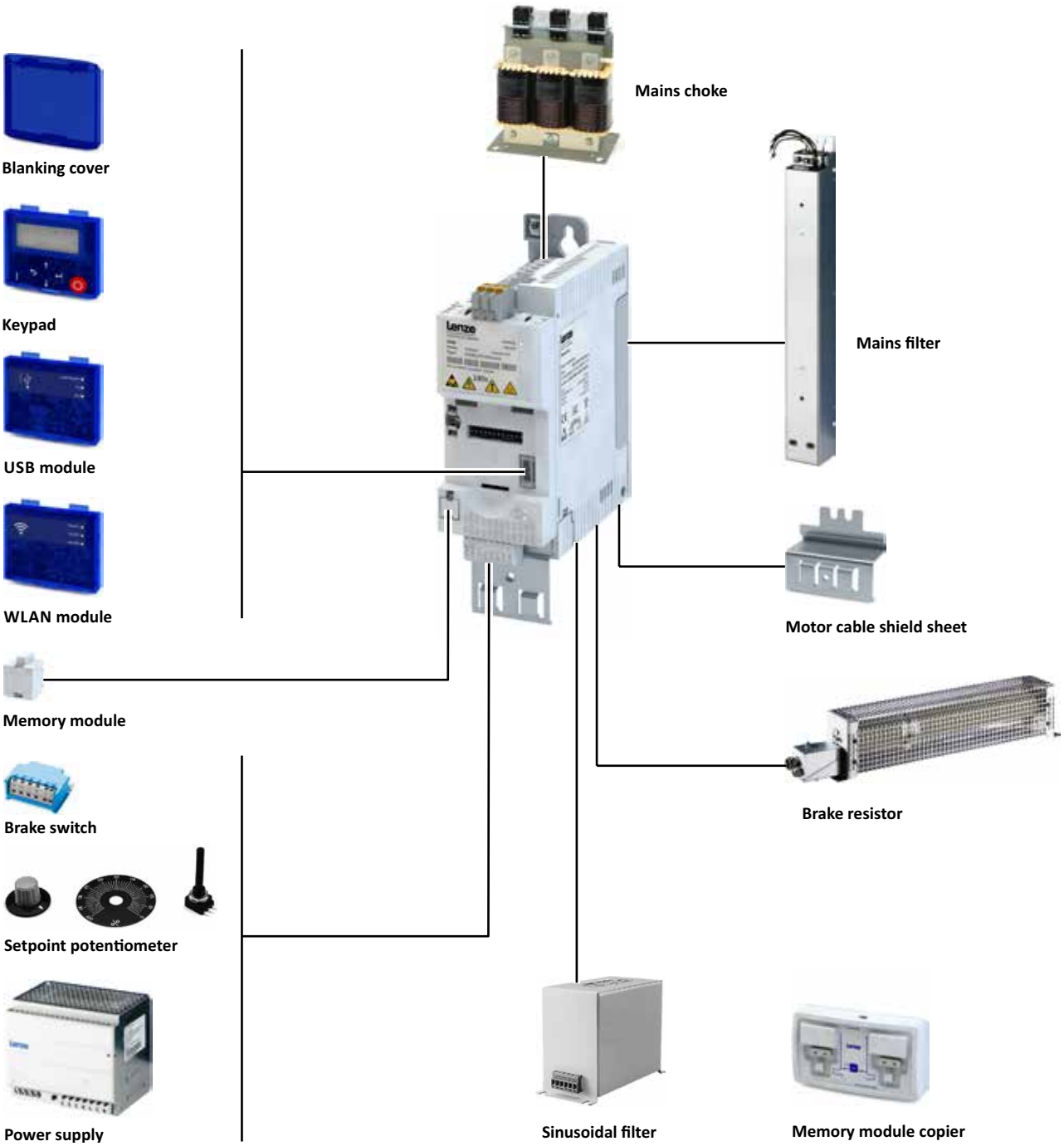
Scalability

Easily scaled, the right i500 can be customised to suit the application. Here, “scaled” refers to two optimised products: the i510 as the basic design with predefined modes and the high-capacity modular i550 for a variety of applications. Which is the right one for you? See the following table:

	i510	i550
Type of construction and ordering option	Monolithic construction	Modular construction
Power range	0.25 ... 2.2 kW	0.25 ... 75 kW
Scope	Memory module • IT system compatible • Integrated RFI filter • Side-by-side installation • Relay (design C)	Memory module • IT system compatible • Integrated RFI filter • Side-by-side installation • Relay (design C) • Brake chopper • DC-bus operation possible • HTL incremental encoder up to 100 kHz • Temperature monitoring • Functional safety: STO (PTO)
I/O-extension	• Spring terminal • Fixed terminals • Basic-I/O - 5 digital inputs, 1 digital output - 2 analog inputs, 1 analog output	• Pluggable spring terminal • External 24V supply • Choice of negative or positive logic (PNP/NPN) • Standard-I/O - 5 digital inputs, 1 digital output - 2 analog inputs, 1 analog output or • Application-I/O: - 6 digital inputs, 2 digital outputs - 2 analog inputs, 2 analog outputs
Fieldbus network – optional	CANopen/Modbus	• CANopen • Modbus • EtherCAT • EtherNet/IP • PROFIBUS • PROFINET
Motor controls	• V/f characteristic control (VFC open loop; linear, quadratic or VFC eco) • Sensorless vector control (SLVC) • Sensorless control (SL-PSM)	• V/f characteristic control (VFC open loop; linear, quadratic or VFC eco) • Sensorless vector control (SLVC) • Sensorless control (SL-PSM) • Servo control (SC-ASM) • Vector control with feedback

i510	i550
	

The scalable inverter is completed by an accessory kit. Simply select all the necessary components oriented to your application.



Technical data

Inverter i510

Conformities	CE	2014/35/EU, 2014/30/EU
	EAC	TR TC 004/2011, TP TC 020/2011
	RoHS 2	2011/65/EU
Approvals	UL	UL 61800-5-1
Energy efficiency	Class IE2	EN 50598-2
Degree of protection	IP20	EN 60529
	Type 1	NEMA 250
Power system	TT, TN	Voltage against earth: max. 300 V
	IT	Apply the measures described for IT systems!
Mains switching		3 x within one minute possible
Operation with residual current circuit breaker		up to 2.2 kW 30mA
Cable length for EMC category C2		20m
Switching frequencies		2, 4, 8, 16 kHz, The rated output currents listed below apply at 45 degrees and the switching frequency at 2 & 4 kHz, and at 40 degrees and the switching frequency 8 and 16 kHz
Ambient temperature		55° C (derating from 2.5%/° C above 45 degrees)
Max. output frequency		0 ... 599 Hz
Overload capacity		200% for 3s; 150% for 60s

	Rated power	**Mains voltage range**	**Rated output current**	**Weight**	**Dimensions**
	[kW]	**[V]**	**[A]**	**[kg]**	**[mm]**
	One-phase inverter with integrated RFI filter				
i510-C0.25/230-1	0.25	1/N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	1.7	0.8	155 x 60 x 130
i510-C0.37/230-1	0.37		2.4	0.8	155 x 60 x 130
i510-C0.55/230-1	0.55		3.2	1	180 x 60 x 130
i510-C0.75/230-1	0.75		4.2	1	180 x 60 x 130
i510-C1.1/230-1	1.1		6	1.35	250 x 60 x 130
i510-C1.5/230-1	1.5		7	1.35	250 x 60 x 130
i510-C2.2/230-1	2.2		9.6	1.35	250 x 60 x 130
	One/three-phase inverter without integrated RFI filter				
i510-C0.25/230-2	0.25	1 and 3/N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	1.7	0.8	155 x 60 x 130
i510-C0.37/230-2	0.37		2.4	0.8	155 x 60 x 130
i510-C0.55/230-2	0.55		3.2	1	180 x 60 x 130
i510-C0.75/230-2	0.75		4.2	1	180 x 60 x 130
i510-C1.1/230-2	1.1		6	1.35	250 x 60 x 130
i510-C1.5/230-2	1.5		7	1.35	250 x 60 x 130
i510-C2.2/230-2	2.2		9.6	1.35	250 x 60 x 130
	Three-phase inverter with integrated RFI filter				
i510-C0.37/400-3	0.37	3/PE AC 340 V ... 528 V 45 Hz ... 65 Hz	1.3	0.8	155 x 60 x 130
i510-C0.55/400-3	0.55		1.8	1	180 x 60 x 130
i510-C0.75/400-3	0.75		2.4	1	180 x 60 x 130
i510-C1.1/400-3	1.1		3.2	1.35	250 x 60 x 130
i510-C1.5/400-3	1.5		3.9	1.35	250 x 60 x 130
i510-C2.2/400-3	2.2		5.6	1.35	250 x 60 x 130

Inverter i550

Conformities	CE	2014/35/EU, 2014/30/EU
	EAC	TR TC 004/2011, TP TC 020/2011
	RoHS 2	2011/65/EU
Approvals	UL	UL 61800-5-1
Energy efficiency	Class IE2	EN 50598-2
Degree of protection	IP20	EN 60529
	Type 1	NEMA 250
Power system	TT, TN	Voltage against earth: max. 300 V
	IT	Apply the measures described for IT systems!
Mains switching		3 x within one minute possible
Operation with residual current circuit breaker		up to 2.2 kW 30mA, above 300mA
Cable length for EMC category C2		20m (C1 up to 3 m at rated power of up to 2.2 kW)
Switching frequencies		2, 4, 8, 16 kHz, The rated output currents listed below apply at 45 degrees and the switching frequency at 2 & 4 kHz, and at 40 degrees and the switching frequency 8 and 16 kHz
Max. ambient temperature		55° C (derating from 2.5%/° C above 45 degrees)
Max. output frequency		0 ... 599 Hz
Overload capacity		200% for 3s; 150% for 60s

	Rated power	**Mains voltage range**	**Rated output current**	**Weight**	**Dimensions**
	[kW]	**[V]**	**[A]**	**[kg]**	**[mm]**
	One-phase inverter with integrated RFI filter				
i550-C0.25/230-1	0.25	1/N/PE AC	1.7	0.8	155 x 60 x 130
i550-C0.37/230-1	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i550-C0.55/230-1	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i550-C0.75/230-1	0.75		4.2	1	180 x 60 x 130
i550-C1.1/230-1	1.1		6	1.35	250 x 60 x 130
i550-C1.5/230-1	1.5		7	1.35	250 x 60 x 130
i550-C2.2/230-1	2.2		9.6	1.35	250 x 60 x 130
	One/three-phase inverter without integrated RFI filter				
i550-C0.25/230-2	0.25	1 and 3/N/PE AC	1.7	0.8	155 x 60 x 130
i550-C0.37/230-2	0.37	170 V ... 264 V	2.4	0.8	155 x 60 x 130
i550-C0.55/230-2	0.55	45 Hz ... 65 Hz	3.2	1	180 x 60 x 130
i550-C0.75/230-2	0.75		4.2	1	180 x 60 x 130
i550-C1.1/230-2	1.1		6	1.35	250 x 60 x 130
i550-C1.5/230-2	1.5		7	1.35	250 x 60 x 130
i550-C2.2/230-2	2.2		9.6	1.35	250 x 60 x 130
	Three-phase inverter with integrated RFI filter				
i550-C0.37/400-3	0.37	3/PE AC	1.3	0.8	155 x 60 x 130
i550-C0.55/400-3	0.55	340 V ... 528 V	1.8	1	180 x 60 x 130
i550-C0.75/400-3	0.75	45 Hz ... 65 Hz	2.4	1	180 x 60 x 130
i550-C1.1/400-3	1.1		3.2	1.35	250 x 60 x 130
i550-C1.5/400-3	1.5		3.9	1.35	250 x 60 x 130
i550-C2.2/400-3	2.2		5.6	1.35	250 x 60 x 130
i550-C3/400-3	3		7.3	2.3	250 x 90 x 130
i550-C4/400-3	4		9.5	2.3	250 x 90 x 130
i550-C5.5/400-3	5.5		13	2.3	250 x 90 x 130
i550-C7.5/400-3	7.5		16.5	3.7	297 x 120 x 130
i550-C11/400-3	11		23.5	3.7	297 x 120 x 130
i550-C15/400-3	15		32	10.3	347 x 204,5 x 222
i550-C18/400-3	18.5		40	10.3	347 x 204,5 x 222
i550-C22/400-3	22		47	10.3	347 x 204,5 x 222
i550-C30/400-3	30		61	17.2	450 x 250 x 230
i550-C37/400-3	37		76	17.2	450 x 250 x 230
i550-C45/400-3	45		89	17.2	450 x 250 x 230
i550-C55/400-3	55		110	24	623 x 250 x 265
i550-C75/400-3	75		150	24	623 x 250 x 265

Order code i500

i510 or i550: delivery as complete inverter

If the same inverter is always inserted into the machine, the inverter can be ordered “out of the box”. i5x0 is the designation for both products; these products can be ordered in the power range of up to 2.2 kW.

Ordering information for complete device
Example for inverter i550-C2.2/400-3:

Inverters	Order code				
• Three-phase mains connection 400 V • Power 2.2 kW • Safety function STO • Standard I/O with CANopen	i55AE222F1	A	01	0	002S

Inverters	Order code				
i5x0-C0.25/230-1	i5xAE125B1				
i5x0-C0.37/230-1	i5xAE137B1				
i5x0-C0.55/230-1	i5xAE155B1				
i5x0-C0.75/230-1	i5xAE175B1		01		
i5x0-C1.1/230-1	i5xAE211B1				
i5x0-C1.5/230-1	i5xAE215B1				
i5x0-C2.2/230-1	i5xAE222B1				
i5x0-C0.25/230-2	i5xAE125D1				
i5x0-C0.37/230-2	i5xAE137D1				
i5x0-C0.55/230-2	i5xAE155D1				
i5x0-C0.75/230-2	i5xAE175D1		00		
i5x0-C1.1/230-2	i5xAE211D1				
i5x0-C1.5/230-2	i5xAE215D1				
i5x0-C2.2/230-2	i5xAE222D1				
i5x0-C0.37/400-3	i5xAE137F1				
i5x0-C0.55/400-3	i5xAE155F1				
i5x0-C0.75/400-3	i5xAE175F1				
i5x0-C1.1/400-3	i5xAE211F1				
i5x0-C1.5/400-3	i5xAE215F1				
i5x0-C2.2/400-3	i5xAE222F1				
i550-C3/400-3	i55AE230F1				
i550-C4/400-3	i55AE240F1		01		
i550-C5.5/400-3	i55AE255F1				
i550-C7.5/400-3	i55AE275F1				
i550-C11/400-3	i55AE311F1				
i550-C15/400-3	i55AE315F1				
i550-C18.5/400-3	i55AE318F1				
i550-C22/400-3	i55AE322F1				
i550-C30/400-3	i55AE330F1				
i550-C37/400-3	i55AE337F1				
i550-C45/400-3	i55AE345F1				
i550-C55/400-3	i55AE355F1				
i550-C75/400-3	i55AE375F1				
Safety technology					
Without safety engineering		0			
Safety function STO		A			
Control code					
Version					
Global type, mains frequency 50 Hz				0	
USA type, mains frequency Hz				1	
Compact device types i510					
Basic I/Os					005S
Basic-I/O with CANopen/Modbus					006S
mounted Control Unit on i550					
Standard I/O without network					000S
Application I/O without network					001S
Standard I/O with CANopen					002S
Standard I/O with Modbus					003S
Standard I/O with PROFIBUS					004S
Standard I/O with EtherCAT					00KS
Standard I/O with PROFINET					00LS
Standard I/O with EtherNet/IP					00MS

i550: delivery as components

If different product versions are required in the machine, the various components can be ordered individually. Depending on the application, the components can be plugged together easily and without any further tools.

Ordering information for components
Example for inverter i550-C2.2/400-3:

Components	Order code
• 3-phase mains connection 400 V • Power 2.2 kW	I5DAE222F10010000S
Safety function STO	I5MASAV000000S
Standard I/O with CANopen	I5CA5C020000A0000S

Power Unit inverter	Order code
i550-C0.25/230-1	i5DAE125B10010000S
i550-C0.37/230-1	i5DAE137B10010000S
i550-C0.55/230-1	i5DAE155B10010000S
i550-C0.75/230-1	i5DAE175B10010000S
i550-C1.1/230-1	i5DAE211B10010000S
i550-C1.5/230-1	i5DAE215B10010000S
i550-C2.2/230-1	i5DAE222B10010000S
i550-C0.25/230-2	i5DAE125D10010000S
i550-C0.37/230-2	i5DAE137D10010000S
i550-C0.55/230-2	i5DAE155D10010000S
i550-C0.75/230-2	i5DAE175D10010000S
i550-C1.1/230-2	i5DAE211D10010000S
i550-C1.5/230-2	i5DAE215D10010000S
i550-C2.2/230-2	i5DAE222D10010000S
i550-C0.37/400-3	i5DAE137F10010000S
i550-C0.55/400-3	i5DAE155F10010000S
i550-C0.75/400-3	i5DAE175F10010000S
i550-C1.1/400-3	i5DAE211F10010000S
i550-C1.5/400-3	i5DAE215F10010000S
i550-C2.2/400-3	i5DAE222F10010000S
i550-C3/400-3	i5DAE230F10010000S
i550-C4/400-3	i5DAE240F10010000S
i550-C5.5/400-3	i5DAE255F10010000S
i550-C7.5/400-3	i5DAE275F10010000S
i550-C11/400-3	i5DAE311F10010000S
i550-C15/400-3	i5DAE315F10010000S
i550-C18.5/400-3	i5DAE318F10010000S
i550-C22/400-3	i5DAE322F10010000S
i550-C30/400-3	i5DAE330F10010000S
i550-C37/400-3	i5DAE337F10010000S
i550-C45/400-3	i5DAE345F10010000S
i550-C55/400-3	i5DAE355F10010000S
i550-C75/400-3	i5DAE375F10010000S

Safety module	Order code
Safety function STO	I5MASAV000000S

Control unit	Order code	
	50 Hz	60 Hz
Standard I/O without network	I5CA50020000A0000S	I5CA50020000A1000S
Application I/O without network	I5CA50030000A0000S	I5CA50030000A1000S
Standard I/O with CANopen	I5CA5C020000A0000S	I5CA5C020000A1000S
Standard I/O with Modbus	I5CA5W020000A0000S	I5CA5W020000A1000S
Standard I/O with PROFIBUS	I5CA5P020000A0000S	I5CA5P020000A1000S
Standard I/O with EtherCAT	I5CA5T020000A0000S	I5CA5T020000A1000S
Standard I/O with PROFINET	I5CA5R020000A0000S	I5CA5R020000A1000S
Standard I/O with EtherNet/IP	I5CA5G020000A0000S	I5CA5G020000A1000S

Product extensions

Diagnostics and operation i510 and i550

For diagnostics and parameter setting, the keypad, Lenze-Smart-Keypad-App (to be found in the Google Play store) or the EASY Starter can be used.

Inverters	Keypad	WLAN	USB
			
i5x0-Cxxx/230-1 **i5x0-Cxxx/230-2** **i5x0-Cxxx/400-3**	i5MADK0000000S	I5MADW0000000S	I5MADU0000000S 3m cable EWL0085/S 5m cable EWL0086/S

Functional safety i550

The safety function STO can also be ordered at a later date and retrofitted.

Inverters	Safety function STO (Safe torque off)
	
i550-Cxxx/230-1 **i550-Cxxx/230-2** **i550-Cxxx/400-3**	I5MASAV000000S

Shield sheet for i510 and i550

Accessories to safeguard the EMC if the motor shield is not installed on an earthing busbar in the control cabinet. From 15 kW, the shield sheet is included with the inverter on delivery.

Inverters	Shield mounting kit	
Inverter i510 and i550 0.25 ... 2.2 kW	EZAMBHXM014M	5 x motor shield sheet
		10 x fixing clip
Inverter i550 3.0 ... 5.5 kW	IEZAMBHXM015M	5 x motor shield sheet
		10 x fixing clip
Inverter i550 7.5 ... 11 kW	EZAMBHXM016M	5 x motor shield sheet
		10 x wire clamp (cable diameter 10 ... 20 mm)

Accessories

Accessories i510

Inverters	Rated power	Mains voltage range	Brake resistor		
	[kW]	[V]			
					
			Order codes	Dimensions	
				[mm]	
i510-C0.25/230-1	0.25	1/N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	–		
i510-C0.37/230-1	0.37		–		
i510-C0.55/230-1	0.55		–		
i510-C0.75/230-1	0.75		–		
i510-C1.1/230-1	1.1		–		
i510-C1.5/230-1	1.5		–		
i510-C2.2/230-1	2.2		–		
i510-C0.25/230-2	0.25	1 and 3 /N/PE AC 170 V ... 264 V 45 Hz ... 65 Hz	–		
i510-C0.37/230-2	0.37		–		
i510-C0.55/230-2	0.55		–		
i510-C0.75/230-2	0.75		–		
i510-C1.1/230-2	1.1		–		
i510-C1.5/230-2	1.5		–		
i510-C2.2/230-2	2.2		–		
i510-C0.37/400-3	0.37	3/PE AC 340 V ... 528 V 45 Hz ... 65 Hz	–		
i510-C0.55/400-3	0.55		–		
i510-C0.75/400-3	0.75		–		
i510-C1.1/400-3	1.1		–		
i510-C1.5/400-3	1.5		–		
i510-C1.5/400-3	2.2		–		

There are also additional accessory components available for the i510 inverter. You can find the complete range in the project planning documents for the i510.

	Mains choke		RFI filters			
			Short Distance		Long Distance	
	• Optional Reduction of effective mains current • Fewer current harmonics		• C1 up to 25m C2 up to 50m • Reduces leakage current (30 mA FI)		• C1 up to 50m C2 up to 100m • Reduces leakage current (300 mA FI)	
	Order codes	Dimensions	Order codes	Dimensions	Order codes	Dimensions
		[mm]		[mm]		[mm]
	ELN1-0900H005	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0900H005	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	EZAELN3002B153	56 x 77 x 100				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3008B372	85 x 120 x 137				
	EZAELN3010B292	85 x 120 x 134				
	EZAELN3002B153	56 x 77 x 100	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50
	EZAELN3006B492	69 x 95 x 117	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50

Accessories

Accessories i550

Inverters	Rated power	Mains voltage range	Brake resistor		
	[kW]	[V]			
					
			Order codes	Dimensions	
				[mm]	
i550-C0.25/230-1	0.25	1/N/PE AC	ERBM180R050W	175 x 20.6 x 40	
i550-C0.37/230-1	0.37	170 V ... 264 V	ERBM180R050W	175 x 20.6 x 40	
i550-C0.55/230-1	0.55	45 Hz ... 65 Hz	ERBM100R100W	240 x 80 x 95	
i550-C0.75/230-1	0.75		ERBM100R100W	240 x 80 x 95	
i550-C1.1/230-1	1.1		ERBP033R200W	240 x 41 x 122	
i550-C1.5/230-1	1.5		ERBP033R200W	240 x 41 x 122	
i550-C2.2/230-1	2.2		ERBP033R200W	320 x 41 x 122	
i550-C0.25/230-2	0.25	1 and 3 /N/PE AC	ERBM180R050W	175 x 20.6 x 40	
i550-C0.37/230-2	0.37	170 V ... 264 V	ERBM180R050W	175 x 20.6 x 40	
i550-C0.55/230-2	0.55	45 Hz ... 65 Hz	ERBM100R100W	240 x 80 x 95	
i550-C0.75/230-2	0.75		ERBM100R100W	240 x 80 x 95	
i550-C1.1/230-2	1.1		ERBP033R200W	240 x 41 x 122	
i550-C1.5/230-2	1.5		ERBP033R300W	240 x 41 x 122	
i550-C2.2/230-2	2.2		ERBP033R200W	320 x 41 x 122	
i550-C0.37/400-3	0.37	3/PE AC	ERBM390R100W	235 x 20.6 x 40	
i550-C0.55/400-3	0.55	340 V ... 528 V	ERBM390R100W	235 x 20.6 x 40	
i550-C0.75/400-3	0.75	45 Hz ... 65 Hz	ERBM390R100W	235 x 20.6 x 40	
i550-C1.1/400-3	1.1		ERBP180R200W	240 x 41 x 122	
i550-C1.5/400-3	1.5		ERBP180R200W	240 x 41 x 122	
i550-C1.5/400-3	2.2		ERBP180R200W	240 x 41 x 122	
i550-C3.0/400-3	3		ERBP082R200W	320 x 41 x 122	
i550-C4.0/400-3	4		ERBP047R200W	320 x 41 x 122	
i550-C5.5/400-3	5.5		ERBP047R200W	320 x 41 x 122	
i550-C7.5/400-3	7.5		ERBP027R200W	320 x 41 x 122	
i550-C11/400-3	11		ERBP027R200W	320 x 41 x 122	
i550-C15/400-3	15		ERBS018R800W	710 x 110 x 105	
i550-C18/400-3	18.5		ERBS015R800W	710 x 110 x 105	
i550-C22/400-3	22		ERBS015R800W	710 x 110 x 105	
i550-C30/400-3	30		ERBG075D01K9	486 x 236 x 302	
i550-C37/400-3	37		ERBG075D01K9	486 x 236 x 302	
i550-C45/400-3	45		ERBG075D01K9	486 x 236 x 302	
i550-C55/400-3	55		ERBG075D01K9	486 x 236 x 302	
i550-C75/400-3	75		ERBG075D01K9	486 x 236 x 302	

There are also additional accessory components available for the i550 inverter. You can find the complete range in the project planning documents for the i550.

	Mains choke		RFI filters			
			Short Distance		Long Distance	
	• Optional up to 18.5 kW, required from 22 kW • Reduction of effective mains current • Fewer current harmonics		• C1 up to 25m C2 up to 50m • Reduces leakage current (30 mA FI)		• C1 up to 50m C2 up to 100m • Reduces leakage current (300 mA FI)	
	Order codes	Dimensions	Order codes	Dimensions	Order codes	Dimensions
		[mm]		[mm]		[mm]
	ELN1-0900H005	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0900H005	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0500H009	75 x 66 x 82	I0FAE175B100S0000S	276 x 60 x 50	I0FAE175B100D0000S	276 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	ELN1-0250H018	96 x 96 x 90	I0FAE222B100S0000S	346 x 60 x 50	I0FAE222B100D0000S	346 x 60 x 50
	EZAELN3002B153	56 x 77 x 100				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3004B742	60 x 95 x 114				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3006B492	69 x 95 x 117				
	EZAELN3008B372	85 x 120 x 137				
	EZAELN3010B292	85 x 120 x 134				
	EZAELN3002B153	56 x 77 x 100	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE175F100S0000S	276 x 60 x 50	I0FAE175F100D0000S	276 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50
	EZAELN3004B742	60 x 95 x 114	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50
	EZAELN3006B492	69 x 95 x 117	I0FAE222F100S0000S	346 x 60 x 50	I0FAE222F100D0000S	346 x 60 x 50
	EZAELN3008B372	85 x 120 x 137	I0FAE255F100S0000S	346 x 60 x 50	I0FAE255F100D0000S	346 x 60 x 50
	EZAELN3010B292	85 x 120 x 134	I0FAE255F100S0000S	346 x 90 x 60	I0FAE255F100D0000S	346 x 90 x 60
	EZAELN3016B182	95 x 120 x 134	I0FAE255F100S0000S	346 x 90 x 60	I0FAE255F100D0000S	346 x 90 x 60
	EZAELN3020B152	95 x 155 x 162	I0FAE311F100S0000S	371 x 120 x 60	I0FAE311F100D0000S	371 x 120 x 60
	EZAELN3025B122	110 x 155 x 167	I0FAE311F100S0000S	371 x 120 x 60	I0FAE311F100D0000S	371 x 120 x 60
	EZAELN3035B841	110 x 155 x 167	E84AZESR1834LD	365 x 205 x 90	E84AZESR1834LD	365 x 205 x 90
	EZAELN3045B651	112 x 185 x 196	E84AZESR1834LD	365 x 205 x 90	E84AZESR1834LD	365 x 205 x 90
	EZAELN3050B591	112 x 185 x 208	E84AZESM2234LD	365 x 205 x 90	E84AZESM2234LD	365 x 205 x 90
	EZAELN3063B471	122 x 185 x 207	E84AZESM3034LD	519 x 250 x 105	E84AZESM3034LD	519 x 250 x 105
	EZAELN3080B371	125 x 210 x 239	E84AZESM3734LD	519 x 250 x 105	E84AZESM3734LD	519 x 250 x 105
	EZAELN3090B331	115 x 267 x 201	E84AZESM4534LD	519 x 250 x 105	E84AZESM4534LD	519 x 250 x 105
	EZAELN3100B301	139 x 267 x 201				
	EZAELN3160B191	291 x 149 x 210				

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