

Inverters: simply indispensable.



In many applications, modern inverters are the key component of a cleverly designed solution. They are true masters when it comes to open- and closed-loop control of motors. Lenze's inverters are scalable and always offer you the right solution for speed and torque-controlled motion and for position-controlled single- and multi-axis motion, perfectly tailored to your own specific requirements.



Decentralized inverters






Cabinet inverters






Cabinet servo inverters




Cabinet inverters

	Inverter i500	Inverter Drives SMV IP31	Inverter Drives 8400 HighLine
			
Power range			
Single phase	0.33 to 3 Hp (0.25 to 2.2 kW)	0.33 to 3 Hp (0.25 to 2.2 kW)	0.33 to 3 Hp (0.25 to 2.2 kW)
Three-phase	0.50 to 100 Hp (0.37 to 75 kW)	0.50 to 60 Hp (0.37 to 45 kW)	0.50 to 60 Hp (0.37 to 45 kW)
Output current			
Single phase	1.7 to 9.6 A	1.7 to 9.6 A	1.7 to 9.5 A
Three-phase	1.3 to 150 A	1.1 to 88 A	1.3 to 89 A
Voltage range			
Single phase	170 to 264 V	90 to 264 V	180 to 264 V
Three-phase	340 to 528 V	170 to 660 V	320 to 550 V
Approvals	CE, UL, CSA, EAC, RoHS, IE2 in accordance with EN50598-2	CE, cUL, EAC, C-Tick, RoHS, NEMA 1, NEMA 4x	CE, UL, CSA, EAC, RoHS
Degree of protection	IP20	IP31	IP20
Types of motor control			
V/f control	●	●	●
Vector control (encoderless)	●	●	●
Vector control (with encoder)	●		●
VFC eco	●		●
Inputs/outputs			
Analog input/output	● (2/1)	● (2/1)	● (2/2)
Digital input/output	● (5/1)	● (4/1)	● (8/4)
Relay output	●	● (1)	●
Speed feedback			● (HTL)
Encoder output	●		●
PTC and/or KTY	● (PTC)		● (PTC)
Fieldbuses			
AS-Interface			
CAN bus	□	□	●
DeviceNet		□	
EtherCAT	□		□
Ethernet Powerlink			□
Ethernet IP	□	□	□
INTERBUS			□
LECOM		□	
Modbus (RTU/RS485)	□	● (≥15 Hp)	
PROFIBUS	□	□	□
PROFINET	□		□
Safety technology			
Safe torque off (STO)	□		□
Scalable safety functions			
Ideally suited to	Transverse loaders or palletizers in the field of intralogistics, extruders in the plastics industry and filling systems in the packaging industry.	Rotary tables in the field of intralogistics, production lines in the food industry and industrial manufacturing.	Rotary indexing tables or warehouse systems in the field of intralogistics, bag form, fill, and seal machines in the packaging sector, rolling and sliding door drives.

Cabinet servo inverters

Servo Inverter i700	Inverter Drives 8400 TopLine	Servo Drives 9400 HighLine
		
	0.75 to 3 Hp (0.55 to 2.2 kW)	
1.0 to 20 Hp (0.75 to 15 kW)	0.50 to 60 Hp (0.37 to 45 kW)	0.50 to 320 Hp (0.37 to 240 kW)
	3.0 to 9.5 A	
2.5 to 32 A	1.3 to 89 A	1.5 to 460 A
	180 to 264 V	
230 to 480 V	320 to 550 V	180 to 550 V
CE, UL, cUL, RoHS	CE, UL, cUL, EAC, RoHS	CE, cUL, RoHS
IP20	IP20	IP20
●	●	●
	●	●
●	●	●
	●	
	● (2/2)	● (2/2)
● (2/0)	● (8/4)	● (8/4)
	●	● (1)
● (1)	●	● (3)
	●	□
●	●	●
	●	●
		□
●	□	□
	□	□
		□
	□	□
	□	□
●	□	
▲(in preparation)		□
Coordinated multi-axis applications such as loading drives or gantry systems in the field of robotics and filling systems in the packaging industry.	Flying saws and cam discs in the packaging sector, synchronized drives in the printing sector.	Processing continuous material in the packaging industry, perforating paper webs in the printing industry, winding in the textile industry and warehouse technology in the field of intralogistics.

Decentralized inverters

Inverter Drives SMV IP65	Inverter Drives 8400 motec	Inverter Drives 8400 protec
		
0.50 to 3 Hp (0.37 to 2.2 kW)		
0.50 to 30 Hp (0.37 to 22 kW)	0.50 to 10 Hp (0.37 to 7.5 kW)	1.0 to 10 Hp (0.75 to 7.5 kW)
1.7 to 9.6 A		
1.3 to 46 A	1.3 to 16.5 A	2.4 to 16 A
170 to 660 V	320 to 528 V	320 to 550 V
CE, cUL, RoHS, EAC	CE, EAC, UR, cUR, ROHS	CE, EAC, UL, cUL, ROHS
IP65	IP65	IP65
●	●	●
●	●	●
	●	●
● (2/1)	□ (1/0)	● (1/0)
● (4/1)	● (6/1)	● (4/2 or 6/0)
● (1)	□ (1)	
	● (HTL)	● (HTL)
●	● (PTC)	● (PTC)
□	□	▲
□		
	□	
□	□	□
□		
□	□	▲
	□	▲
	□	
		□
Production equipment used for thawing in the food industry, outdoor drives, as well as in the air-conditioning sector and water treatment.	Traveling drives in the field of intralogistics, fan drives in the air-conditioning sector and pumps in the field of sewage technology.	Scissor-type lift tables in the field of intralogistics and in the automotive industry.