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# i500 protec inverters

0.5 ... 15.0 hp (0.37 ... 11.0 kW)

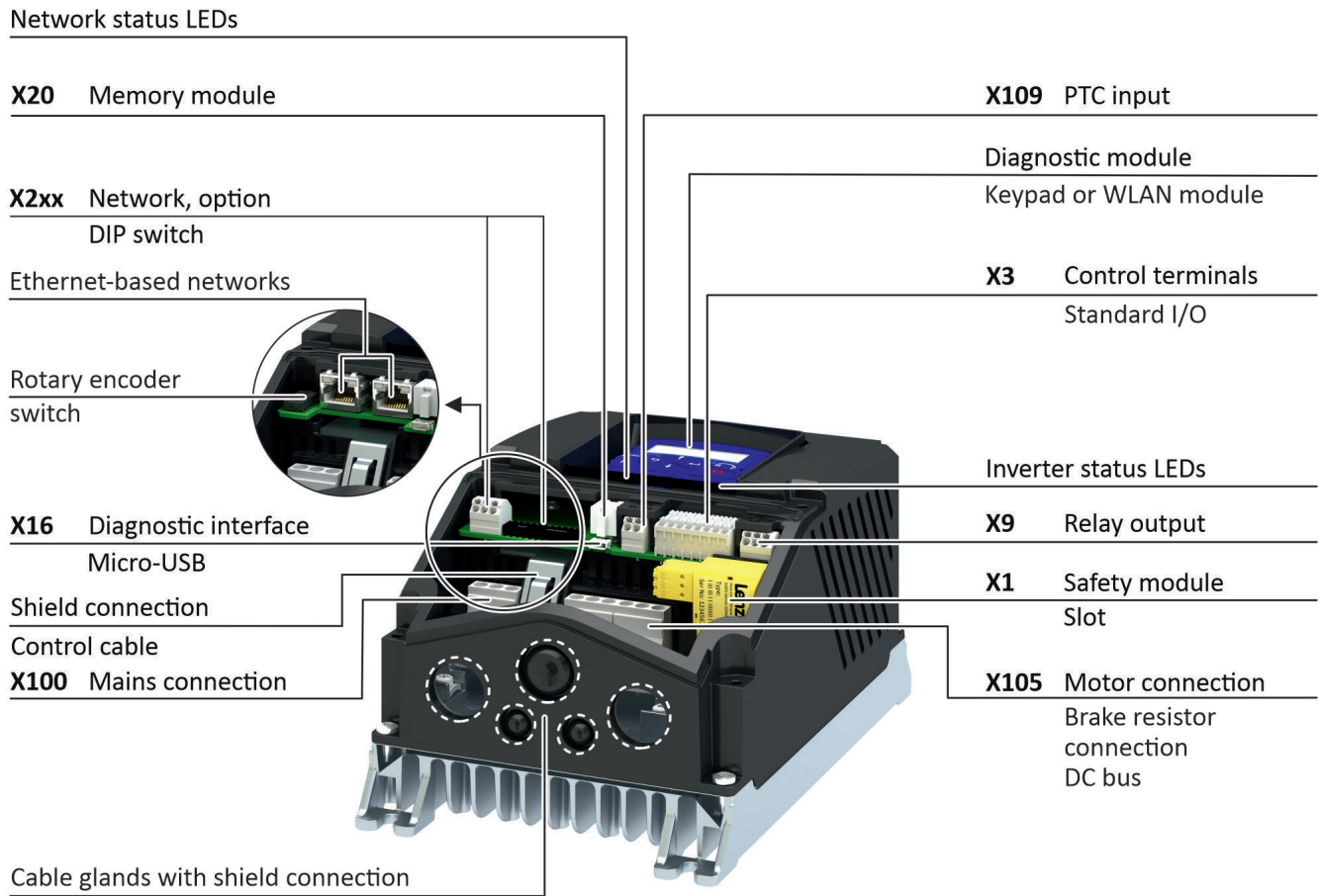


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## i500 protec



# Using this guide

1.2

The i500 Quick Price Guide lists the standard configurations and list prices for the currently available NEMA 4X and NEMA 1 i550 protec. Additional configurations of the i500 protec are created by changing values in different positions of the type code. Fieldbus network, diagnostic module, and safety technology can be added by changing the type code with the corresponding type code value for those options.

Type codes for the i500 protec series have 18 digits. Change the type code value in the corresponding position for that option to update the type code. Options, type code values, and their positions can be found in greater detail in the product key on the next page.

Below are examples of adding options to a standard configuration.

## Example 1

Add **EtherCAT** to:

NEMA 4X i550 protec, with empty extension box, 230 single phase, 0.5 hp.

	Type code value	Position	Updated type code	List price
Standard configuration	I55AP137B10711000S	—	I55AP137B10711000S	\$385.83
EtherCAT option	□□□□□□□□□□□□□□OKS	16, 17, 18	I55AP137B1071100OKS	+ \$101.20
Final configuration			I55AP137B1071100KS	\$487.03

## Example 2

Add **EtherCAT** and **LCD Keypad module** to:

NEMA 4X i550 protec, with empty extension box, 230 single phase, 0.5 hp.

	Type code value	Position	Updated type code	List price
Standard configuration	I55AP137B10711000S	—	I55AP137B10711000S	\$385.83
EtherCAT option	□□□□□□□□□□□□□□OKS	16, 17, 18	I55AP137B1071100OKS	+ \$101.20
LCD Keypad module	□□□□□□□□□□□□□□K□□□	15	I55AP137B10711K0KS	+ \$44.28
Final configuration			I55AP137B10711K0KS	\$531.31

## Example 3

Add **EtherCAT**, **LCD Keypad module**, and **Integrated safe torque off** to:

NEMA 4X i550 protec, with empty extension box, 230 single phase, 0.5 hp.

	Type code value	Position	Updated type code	List price
Standard configuration	I55AP137B10711000S	—	I55AP137B10711000S	\$385.83
EtherCAT option	□□□□□□□□□□□□□□OKS	16, 17, 18	I55AP137B1071100OKS	+ \$101.20
LCD Keypad module	□□□□□□□□□□□□□□K□□□	15	I55AP137B10711K0KS	+ \$44.28
Integrated safe torque off	□□□□□□□□□□A□□□□□□□□	11	I55AP137B1A711K0KS	+ \$50.60
Final configuration			I55AP137B1A71100KS	\$581.91

# Product key

	I	55	AP	211	D	2	A	7	0	1	K	03S
<b>Portfolio segment</b>												
<b>Product</b> 55 = i550 protec series												
<i>Generation 1, wall mounting</i>												
<b>Rated Power</b> 137 = 0.37 kW, 0.50 hp 155 = 0.55 kW, 0.75 hp 175 = 0.75 kW, 1.0 hp 211 = 1.1 kW, 1.5 hp 215 = 1.5 kW, 2.0 hp 222 = 2.2 kW, 3.0 hp 230 = 3.0 kW, 4.0 hp 240 = 4.0 kW, 5.0 hp 255 = 5.5 kW, 7.5 hp 275 = 7.5 kW, 10.0 hp 311 = 11.0 kW, 15.0 hp												
<b>Voltage &amp; phase</b> A = 120 V 1/N/PE B = 230 V 1/N/PE C = 230 V 3/PE D = 230 V 1/N/PE, 3/PE F = 400/480 V 3/PE												
<b>Product extension</b> 0 = None 1 = Empty extension box 2 = Extension box & switch												
<b>Safety technology</b> 0 = No safety technology A = Integrated safe torque off (STO)												
<b>Enclosure/protection</b> 3 = NEMA 1 / IP31 7 = NEMA 4X / IP66												
<b>Interference suppression</b> 0 = Without 1 = Integrated RFI filter												
<i>Default parameter setting: Region US (60-Hz networks)</i>												
<b>Diagnostic module</b> 0 = without Diagnostic module K = LCD Keypad module W = WLAN module												
<b>I/O, fieldbus network options</b> 00S = Standard I/O 02S = Standard I/O + CANopen 03S = Standard I/O + Modbus RTU 06S = Standard I/O + IO-Link 0KS = Standard I/O + EtherCAT 0LS = Standard I/O + PROFINET 0MS = Standard I/O + EtherNet/IP 0WS = Standard I/O + Modbus TCP/IP												

# NEMA 4X / IP66

## i550 protec frequency inverter



### Standard configuration

#### 120 V doubler - 1-phase

2.1

Rated Power	Standard		Empty Extension Box		Extension Box with Switch	
	Type code	List price	Type code	List price	Type code	List price
0.50 hp	I55AP137A00701000S	\$347.88	I55AP137A10701000S	\$411.13	I55AP137A20701000S	\$537.63
1.0 hp	I55AP175A00701000S	\$436.43	I55AP175A10701000S	\$499.68	I55AP175A20701000S	\$626.18
1.5 hp	I55AP211A00701000S	\$524.98	I55AP211A10701000S	\$594.55	I55AP211A20701000S	\$721.05

#### 230/240 V - 1-phase (with integrated RFI filter)

Rated Power	Standard		Empty Extension Box		Extension Box with Switch	
	Type code	List price	Type code	List price	Type code	List price
0.50 hp	I55AP137B00711000S	\$322.58	I55AP137B10711000S	\$385.83	I55AP137B20711000S	\$512.33
0.75 hp	I55AP155B00711000S	\$341.55	I55AP155B10711000S	\$404.80	I55AP155B20711000S	\$531.30
1.0 hp	I55AP175B00711000S	\$366.85	I55AP175B10711000S	\$430.10	I55AP175B20711000S	\$556.60
1.5 hp	I55AP211B00711000S	\$404.80	I55AP211B10711000S	\$474.38	I55AP211B20711000S	\$600.88
2.0 hp	I55AP215B00711000S	\$455.40	I55AP215B10711000S	\$524.98	I55AP215B20711000S	\$651.48
3.0 hp	I55AP222B00711000S	\$518.65	I55AP222B10711000S	\$588.23	I55AP222B20711000S	\$714.73

#### 230/240 V - 1/3-phase

Rated Power	Standard		Empty Extension Box		Extension Box with Switch	
	Type code	List price	Type code	List price	Type code	List price
0.50 hp	I55AP137D00701000S	\$316.25	I55AP137D10701000S	\$379.50	I55AP137D20701000S	\$506.00
0.75 hp	I55AP155D00701000S	\$335.23	I55AP155D10701000S	\$398.48	I55AP155D20701000S	\$524.98
1.0 hp	I55AP175D00701000S	\$360.53	I55AP175D10701000S	\$423.78	I55AP175D20701000S	\$550.28
1.5 hp	I55AP211D00701000S	\$398.48	I55AP211D10701000S	\$468.05	I55AP211D20701000S	\$594.55
2.0 hp	I55AP215D00701000S	\$449.08	I55AP215D10701000S	\$518.65	I55AP215D20701000S	\$645.15
3.0 hp	I55AP222D00701000S	\$512.33	I55AP222D10701000S	\$581.90	I55AP222D20701000S	\$708.40

#### 230/240 V - 3-phase

Rated Power	Standard		Empty Extension Box		Extension Box with Switch	
	Type code	List price	Type code	List price	Type code	List price
4.0 hp	I55AP230C00701000S	\$683.10	I55AP230C10701000S	\$771.65	I55AP230C20701000S	\$910.80
5.0 hp	I55AP240C00701000S	\$708.40	I55AP240C10701000S	\$796.95	I55AP240C20701000S	\$936.10
7.5 hp	I55AP255C00701000S	\$860.20	I55AP255C10701000S	\$948.75	I55AP255C20701000S	\$1,087.90
10.0 hp	I55AP275C00701000S	\$1,461.08	I55AP275C10701000S	\$1,562.28	I55AP275C20701000S	\$1,853.23
15.0 hp	I55AP311C00701000S	\$2,074.60	I55AP311C10701000S	\$2,175.80	I55AP311C20701000S	\$2,466.75



# NEMA 4X / IP66

## i550 protec frequency inverter



### Standard configuration

400/480 V - 3-phase (with integrated RFI filter)

Rated Power	Standard		Empty Extension Box		Extension Box with Switch	
	Type code	List price	Type code	List price	Type code	List price
0.50 hp	I55AP137F00711000S	\$442.75	I55AP137F10711000S	\$506.00	I55AP137F20711000S	\$632.50
0.75 hp	I55AP155F00711000S	\$474.38	I55AP155F10711000S	\$537.63	I55AP155F20711000S	\$664.13
1.0 hp	I55AP175F00711000S	\$506.00	I55AP175F10711000S	\$569.25	I55AP175F20711000S	\$695.75
1.5 hp	I55AP211F00711000S	\$569.25	I55AP211F10711000S	\$638.83	I55AP211F20711000S	\$765.33
2.0 hp	I55AP215F00711000S	\$632.50	I55AP215F10711000S	\$702.08	I55AP215F20711000S	\$828.58
3.0 hp	I55AP222F00711000S	\$714.73	I55AP222F10711000S	\$784.30	I55AP222F20711000S	\$910.80
4.0 hp	I55AP230F00711000S	\$815.93	I55AP230F10711000S	\$904.48	I55AP230F20711000S	\$1,043.63
5.0 hp	I55AP240F00711000S	\$904.48	I55AP240F10711000S	\$993.03	I55AP240F20711000S	\$1,132.18
7.5 hp	I55AP255F00711000S	\$1,081.58	I55AP255F10711000S	\$1,170.13	I55AP255F20711000S	\$1,309.28
10.0 hp	I55AP275F00711000S	\$1,524.33	I55AP275F10711000S	\$1,625.53	I55AP275F20711000S	\$1,783.65
15.0 hp	I55AP311F00711000S	\$1,878.53	I55AP311F10711000S	\$1,979.73	I55AP311F20711000S	\$2,137.85

2.2

### Options

#### I/O, Fieldbus Network Options

Replace the 16, 17, and 18<sup>th</sup> characters with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A 0 0 7 0 1 0 **00S**

Option	List price	Type Code Value
CANopen	\$37.95	02S
Modbus RTU	\$37.95	03S
IO-Link	\$37.95	06S
EtherCAT	\$101.20	0KS
EtherNet/IP	\$101.20	0MS
Modbus TCP/IP	\$101.20	0WS
PROFINET	\$113.85	0LS

#### Diagnostic Module

Replace the 15<sup>th</sup> character with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A 0 0 7 0 1 **0** 0 0 S

Option	List price	Type Code Value
LCD Keypad module	\$44.28	K
WLAN module	\$101.20	W

#### Safety Technology

Replace the 11<sup>th</sup> character with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A **0** 7 0 1 0 0 0 S

Option	List price	Type Code Value
Integrated safe torque off (STO)	\$50.60	A

# NEMA 1 / IP31

i550 protec frequency inverter



## Standard configuration

### 120 V doubler - 1-phase

Rated Power	Standard	
	Type code	List price
0.50 hp	I55AP137A00301000S	\$297.28
1.0 hp	I55AP175A00301000S	\$385.83
1.5 hp	I55AP211A00301000S	\$487.03

3.1

### 230/240 V - 1/3-phase

Rated Power	Standard	
	Type code	List price
0.50 hp	I55AP137D00301000S	\$265.65
1.0 hp	I55AP175D00301000S	\$309.93
1.5 hp	I55AP211D00301000S	\$360.53
2.0 hp	I55AP215D00301000S	\$411.13
3.0 hp	I55AP222D00301000S	\$474.38

### 230/240 V - 3-phase

Rated Power	Standard	
	Type code	List price
4.0 hp	I55AP230C00301000S	\$626.18
5.0 hp	I55AP240C00301000S	\$651.48
7.5 hp	I55AP255C00301000S	\$803.28
10.0 hp	I55AP275C00301000S	\$1,271.33
15.0 hp	I55AP311C00301000S	\$1,884.85

### 400/480 V - 3-phase (with integrated RFI filter)

Rated Power	Standard	
	Type code	List price
0.50 hp	I55AP137F00311000S	\$392.15
0.75 hp	I55AP155F00311000S	\$423.78
1.0 hp	I55AP175F00311000S	\$455.40
1.5 hp	I55AP211F00311000S	\$531.30
2.0 hp	I55AP215F00311000S	\$594.55
3.0 hp	I55AP222F00311000S	\$676.78
4.0 hp	I55AP230F00311000S	\$759.00
5.0 hp	I55AP240F00311000S	\$847.55
7.5 hp	I55AP255F00311000S	\$1,024.65
10.0 hp	I55AP275F00311000S	\$1,334.58
15.0 hp	I55AP311F00311000S	\$1,688.78

## Options

### I/O, Fieldbus Network Options

Replace the 16, 17, and 18<sup>th</sup> characters with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A 0 0 7 0 1 0 **0 0 S**

Option	List price	Type Code Value
CANopen	\$37.95	02S
Modbus RTU	\$37.95	03S
IO-Link	\$37.95	06S
EtherCAT	\$101.20	0KS
EtherNet/IP	\$101.20	0MS
Modbus TCP/IP	\$101.20	0WS
PROFINET	\$113.85	0LS

### Diagnostic Module

Replace the 15<sup>th</sup> character with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A 0 0 7 0 1 **0** 0 0 S

Option	List price	Type Code Value
LCD Keypad module	\$44.28	K
WLAN module	\$101.20	W

### Safety Technology

Replace the 11<sup>th</sup> character with the corresponding Type Code Value.

I 5 5 A P 1 3 7 A **0** 7 0 1 0 0 0 S

Option	List price	Type Code Value
Integrated safe torque off (STO)	\$50.60	A



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