



## MATERIAL FACT SHEET

577425 FR-F846-00052-E2-60L2-S6

### General Data

Price List Text (EN)	Inverter AC; Pn: 2,2kW; 3x380-500V;In max: 4,8A; IP55; with main switch
Price List Text (DE)	Umrichter AC; Pn: 2,2kW; 3x380-500V;In max: 4,8A; IP55; mit Hauptschalter
Product Hierarchy	IAK24501 INVERTER
Ext. Material Group	FR-F846 with main switch 10 STANDARD ITEM
ABC Indicator	B (Limited Availability from Stock)

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000577425](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000577425)

### Product Components

318059 / FR-F846-00052-E2-60L2	1 pc required
<a href="#">475731 / NF32-SVF 3P 30A</a>	1 pc required
<a href="#">253076 / V-03SV</a>	1 pc required

### FA-Inverter: Inverter

Series	FR-F800 SERIES
Type	FR-F846-E2-S6 WITH MAIN SWITCH
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	323
Maximum Rated Voltage (V)	500
Max. Permissible Voltage (V)	550
Current Type	AC
Phases	3
Rated Output Current LD (A)	4,8
Rated Motor Capacity LD (kW)	2,2
Frequency Range (Hz)	0,2-590
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	PM SENSORLESS VECTOR CONTROL
Control Method (3)	SOFT-PWM/HIGH FREQUENCY PWM
Control Method (4)	V/F CONTROL
Motor Type	INDUCTION MOTOR, PM MOTOR
Integrated EMC Filter	YES
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	YES
Display	FR-DU08
Display Type	5 DIGITS LED (12 SEGMENT)
PLC Function	YES
Program Memory	6K
Program Memory Unit	STEPS
Integrated Digital Inputs	12
Digital Outputs (Transistor)	5
Digital Outputs (Relay)	2
Integrated Analogue Inputs	3
Integrated Analogue Outputs	2
IO Type of Terminal Block	SPRING CLAMP
Expandable	YES
USB	1+1 MINI
Ethernet Port	1
Built-In Network	BACNET/IP
Built-In Network (2)	CC-LINK IE FIELD NETWORK BASIC
Built-In Network (3)	MELSOFT/FA
Built-In Network (4)	MODBUS/TCP
Built-In Network (5)	SLMP
Built-In Network (6)	iQSS
Leakage Current (mA)	2

Power Loss SLD (W)	85
Standby Power Consumption (W)	19
Protection Class	IP55

### Product Dimensions & Weight

Width (mm)	238
Height (mm)	520
Depth (mm)	325
Weight (kg)	15

### Logistic Dimensions & Gross Weight

Length (cm)	31,5
Width (cm)	62,0
Height (cm)	40,5
Gross Weight (kg)	19,340
Volume (cdm)	79,097

### Stock Data

Planned Delivery Time (Days)	300
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### Life Cycle

Sales Start	01.02.2021
Predecessor	No Predecessor

### Additional Product Information

Binding Tariff Information	DEBTI-21865/22-1
BTI validity date	01.01.2026

### Export Data

Commodity Code	85371091
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

### Environmental

Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

### Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
Shipping Approvals	DNV,ABS
UKCA	COMPLIANT

### Documentation & Media Data

Manual URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-F846-00052-E2-60L2-S6&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-F846-00052-E2-60L2-S6&amp;doc-lang=en</a>
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