



# Shihlin Electric

# SHIHLIN INVERTER



## SS2 Series



### Factory Automation overseas sales division

3F, No.9, Sec. 1, Chang-an E. Rd., Zhongshan Dist., Taipei City 10441, Taiwan  
T. +886-2-2541-9822 F. +886-2-2581-2665  
e-mail. automation@seec.com.tw <http://automation.seec.com.tw>

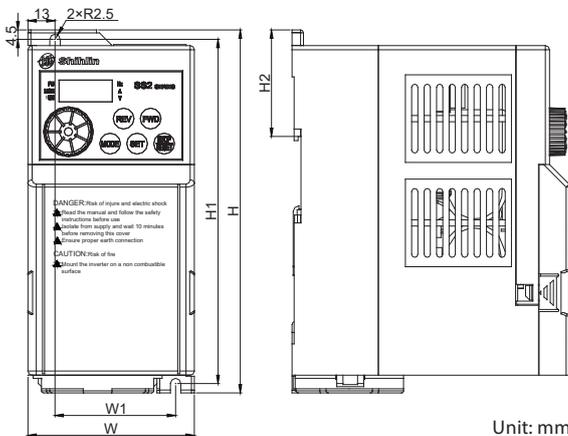
### Headquarters

16F, No.88, Sec. 6, Zhongshan N. Rd., Shilin Dist., Taipei City 11155, Taiwan  
T. +886-2-2834-2662 F. +886-2-2836-6187  
<http://www.seec.com.tw>

## Main features

- Compact inverter with vector control
- Side-by-side DIN rail mounting
- RS485 communication interface: RJ45
- Auto Tuning function
- Built-in 8 sets of programmed operation function
- Built-in PID controller
- Password protection
- Built-in Energy-saving control function
- 12 sets of alarm record, with detailed information of the latest 2 alarm (with frequency / current / voltage /temperature rising rate /DC bus voltage / operation time record)

## Dimensions



Unit: mm

Model	Frame	H	H1	H2	W	W1	D
SS2-021-0.4K	A	174	165	51.5	80	58	134
SS2-021-0.75K							
SS2-023-0.4K							
SS2-023-0.75K							
SS2-023-1.5K							
SS2-043-0.4K							
SS2-043-0.75K	B	174	165	51.5	110.5	58	134
SS2-021-1.5K							
SS2-021-2.2K							
SS2-023-2.2K							
SS2-023-3.7K							
SS2-043-2.2K							
SS2-043-3.7K							
SS2-043-5.5K							

## Common specifications

Control method		SVPWM control, V/F control, general flux vector control.
Output frequency range		0.1~599Hz
Input terminal	Digital	6 terminals, able to switch between sink/source.
	Analog	2 terminals, 1 with 4~20mA or 0~10V range, 1 with 0~10V range.
Output terminal	Digital	1 programmable 1a1b relay, 1 programmable transistor.
	Analog	1 with 0~10V range.
Brake transistor		Built-in in all size.
Starting torque		150% 3Hz, 200% 5Hz
Drive motor		Induction motor(IM).
Communication function		Built-in Shihlin/Modbus communication protocol.
Environment	Ambient temperature	-10~+50°C(non-freezing) , side by side -10~+40°C.
	Ambient humidity	Below 90%Rh (non-condensing).
	Storage temperature	-20~+65°C
	Surrounding	Indoor, no corrosive gas, no flammable gas, no flammable powder.



## SS2 Series

### Electrical specifications

#### 3 Phase 440V

Frame		A			B		
Model SS2-043-□□□K		0.4	0.75	1.5	2.2	3.7	5.5
Motor capacity	HP	0.5	1	2	3	5	7.5
	KW	0.4	0.75	1.5	2.2	3.7	5.5
Inverter Output	Rated output capacity (kVA)	1	2	3	4.6	6.9	9.2
	Rated output current (A)	1.5	2.6	4.2	6	9	12
	Overload current rating	150% 60 seconds, 200% 1 second					
	Maximum output voltage	3phase 380~480V					
Power Supply	Rated input AC voltage/ frequency	3 phase 380~480V 50Hz / 60Hz					
	Permissible AC voltage fluctuation	3 phase 323~528V 50Hz / 60Hz					
	Permissible frequency fluctuation	±5%					
	Power supply capacity (kVA)	1.5	2.5	4.5	6.9	10.4	13.8
Cooling method		No fan			Fan cooling		
Weight (kg)		1.1	1.1	1.2	1.6	1.7	1.7

#### 3 Phase 220V

Frame		A			B	
Model SS2-023-□□□K		0.4	0.75	1.5	2.2	3.7
Motor capacity	HP	0.5	1	2	3	5
	KW	0.4	0.75	1.5	2.2	3.7
Inverter Output	Rated output capacity (kVA)	1.2	2	3.2	4.2	6.7
	Rated output current (A)	3	5	8	11	17.5
	Overload current rating	150% 60 seconds, 200% 1 second				
	Maximum output voltage	3 phase 200~240V				
Power Supply	Rated input AC voltage/ frequency	3 phase 200~240V 50Hz / 60Hz				
	Permissible AC voltage fluctuation	3 phase 170~264V 50Hz / 60Hz				
	Permissible frequency fluctuation	±5%				
	Power supply capacity (kVA)	1.5	2.5	4.5	6.4	10
Cooling method		No fan		Fan cooling		
Weight (kg)		1.1	1.2	1.2	1.6	1.7

#### Single-phase 220V

Frame		A		B	
Model SS2-021-□□□K		0.4	0.75	1.5	2.2
Motor capacity	HP	0.5	1	2	3
	KW	0.4	0.75	1.5	2.2
Inverter Output	Rated output capacity (kVA)	0.95	1.5	2.5	4.2
	Rated output current (A)	2.7	4.5	8	11
	Overload current rating	150% 60 seconds, 200% 1 second			
	Maximum output voltage	Single Phase 200~240V			
Power Supply	Rated input AC voltage/ frequency	Single phase 200~240V 50Hz / 60Hz			
	Permissible AC voltage fluctuation	Single phase 170~264V 50Hz / 60Hz			
	Permissible frequency fluctuation	±5%			
	Power supply capacity (kVA)	1.5	2.5	3.5	6.4
Cooling method		No fan		Fan cooling	
Weight (kg)		1.1	1.2	1.6	1.7



Distributor

DM220302-L-SS2