

VEICHI



S101 Series Solar Pump Inverter



Compact, lightweight design
with ~25% size reduction



Optimized single-phase motor
algorithm for diverse pump types



Dual-CPU control architecture
across the full range



AC/DC input for 24/7 continuous
operation



Integrated PV-specific
protection features

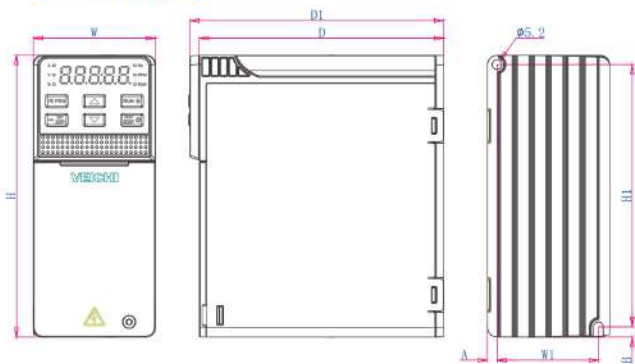
Suzhou Veichi Electric Co., Ltd.

<https://www.veichi.com>

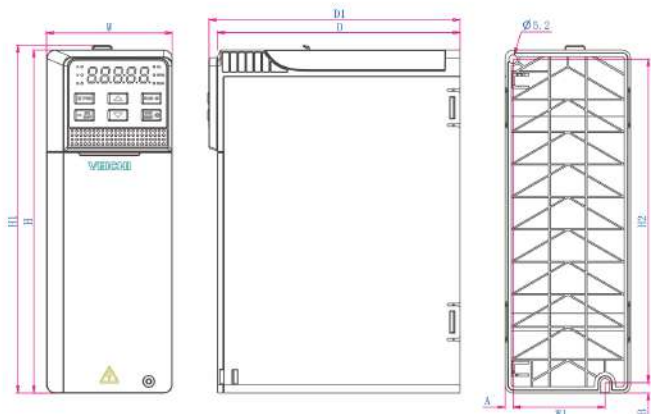
Specification:

Model	D1	D3	D5
DC Input Voltage	80VDC~350VDC	150VDC~450VDC	250VDC~850VDC
Voc Voltage	175VDC~320VDC	360VDC~430VDC	620VDC~780VDC
AC Input Voltage / Frequency	Single-phase 110VAC~130VAC 50Hz/60Hz	Single-phase 200VAC~240VAC 50Hz/60Hz	Three-phase 380VAC~480VAC 50Hz/60Hz
Power (kW)	Rated Output Current (A)		
0.4	4	3	-
0.75	7	4	2.5
1.5	10	7	3.7
2.2	16	10	5
4	-	16	10
5.5	-	-	13
7.5	-	-	17
Installation	<1000 meters, derate 1% for every 100 meters rise when above 1000m No condensation, icing, rain, snow, hail, etc., solar radiation <700W/m ² , air pressure 70kPa~106kPa		
Temperature/Humidity	-20°C~+50°C, derate 5% for every 1°C rise when above 40°C, 50°C max. (no-load) ≤95%RH (Relative humidity change rate not exceeding 5% per hour without condensation at 20°C)		
Vibration	5.9m/s ² (0.6G) at 9Hz~200Hz		
Storage Temperature	-30°C ~ +60°C		
Installation Method	Wall-mounted		
Protection Grade	IP20		
Pollution Class	C2		
Protection	Over-voltage, low-voltage, current limit, over-current, overload, over-voltage stall, data protection, overspeed, I/O phase loss, low-frequency, dry-run (water shortage), and minimum power protection		

Dimensions:



Model	Outer Dimension (mm)				Front Dimension (mm)				Aperture (mm)
	W	H	D	D1	A	B	W1	H1	
SI01-D1-R40G-A	65	150	130	135	5	5.5	54	139.5	Φ5.2
SI01-D3-R40G-A									
SI01-D3-R75G-A									
SI01-D5-R75G-A									
SI01-D5-1R5G-A									



Model	Outer Dimension (mm)				Front Dimension (mm)				Aperture (mm)
	W	H	D	D1	A	W1	H1	H2	
SI01-D1-R75G-A	75	205	145	150	4.7	55	207.9	193.25	Φ5.2
SI01-D1-1R5G-A									
SI01-D3-1R5G-A									
SI01-D3-2R2G-A									
SI01-D5-2R2G-A									
SI01-D5-004G-A									
SI01-D1-2R2G-A	100	230	165	-	6	82	232.9	218	Φ6.2
SI01-D3-004G-A									
SI01-D5-5R5G-A									
SI01-D5-7R5G-A									

Note: D5 series models with the "-A(H)" suffix support 850V DC input. Their mounting dimensions are identical to those with the "-A" suffix.