Canroon



CV900S Series Solar Pump Inverter

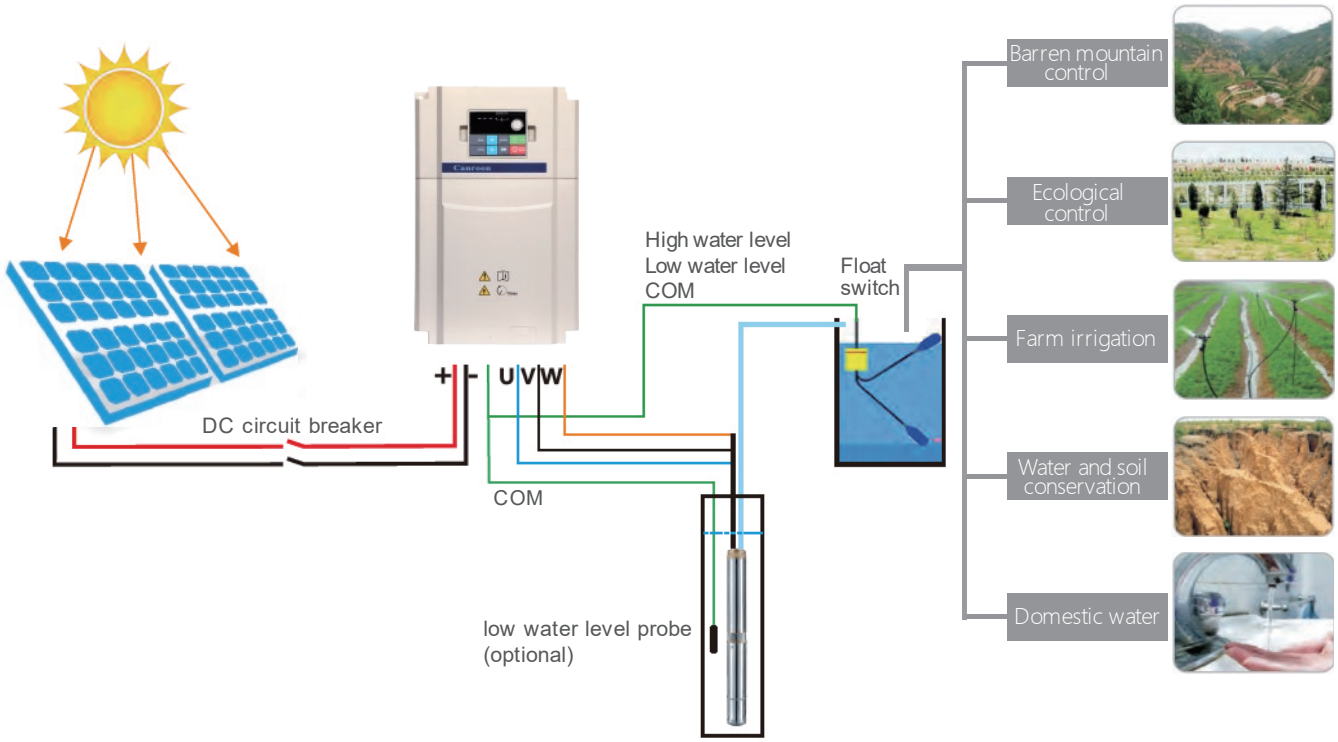
Product Overview



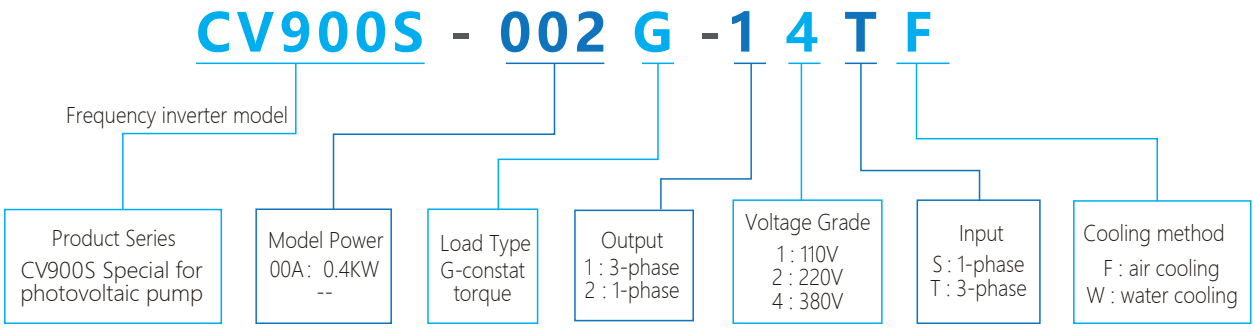
Solar pump system consists of 3 parts: solar cell array, solar inverter and pump.

CV900S series solar pump inverter are specially designed and manufactured for this system by Canroon, using electric energy generated by solar panel to power water pump, and deliver water from underground or river to applications like farm irrigation, desert greening, garden fountain, etc.

Solar Pumping System Diagram



Inverter Model Description



Product Feature

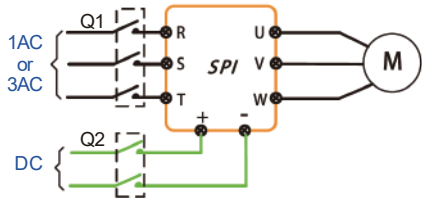
MPPT
- Bulid-in MPPT function
- High effciency
- Optimized frequency output

Flexible system design
- Minimized solar panels solution
- Off-grid power storage
- GPRS based wireless monitoring & controlling

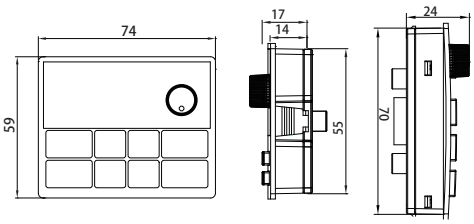
Automatic control
- Start in the morning automatically
- Stop in the afternoon automatically
- Dormancy and wake up automatically
- Output speed change automatically

DC
1AC/3AC
- Solar energy to AC power
- Output 1AC or 3AC

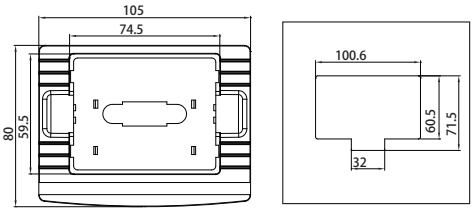
Compatible with both DC and AC input
- Humanism design
- Compatible with both DC and AC Input



Structure and Dimensions



Keyboard size (mm)



Keyboard base size (mm)

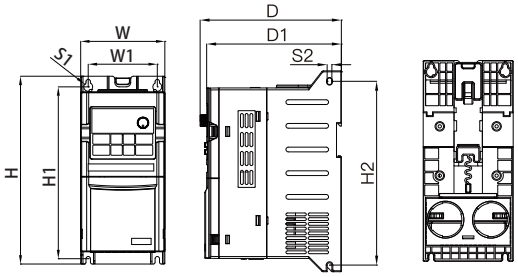


Figure 1: CV900S-00AG-12SF ~ 005G-14TF

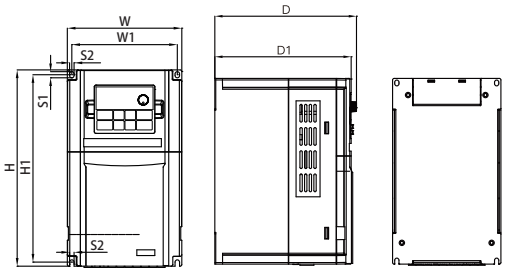
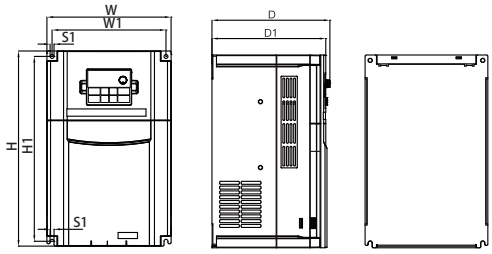
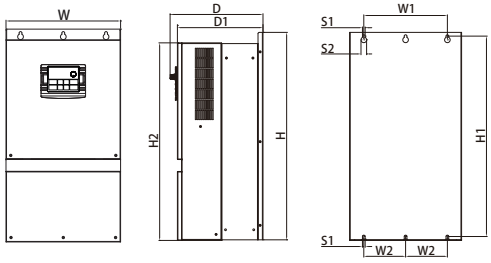


Figure 2: CV900S-004G-12SF ~ 011G-14TF

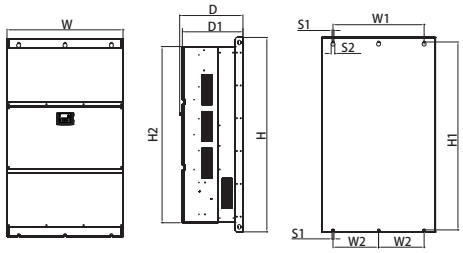
Specification model	Overall dimensions (mm)				Installation hole position (mm)			Installation hole diameter (mm)		Figure
	W (mm)	H (mm)	D (mm)	D1 (mm)	W1 (mm)	H1 (mm)	H2 (mm)	S1 (mm)	S2 (mm)	
CV900S-00AG-12SF	95	212	149	142	78	194	194	Ø10	Ø5	1
CV900S-00BG-12SF										
CV900S-001G-12SF										
CV900S-002G-12SF										
CV900S-003G-12SF										
CV900S-00BG-14TF										
CV900S-001G-14TF										
CV900S-002G-14TF										
CV900S-003G-14TF										
CV900S-004G-14TF										
CV900S-005G-14TF										
CV900S-004G-12SF	140	240	183	176	129	229	/	Ø8	Ø6	2
CV900S-005G-12SF										
CV900S-007G-14TF										
CV900S-011G-14TF										



Picture 3: CV900A-015G~ 022G-14TF



Picture 4: CV900A-030G ~ 160G-14TF



Picture 5: CV900A-185G ~ 500G-14TF

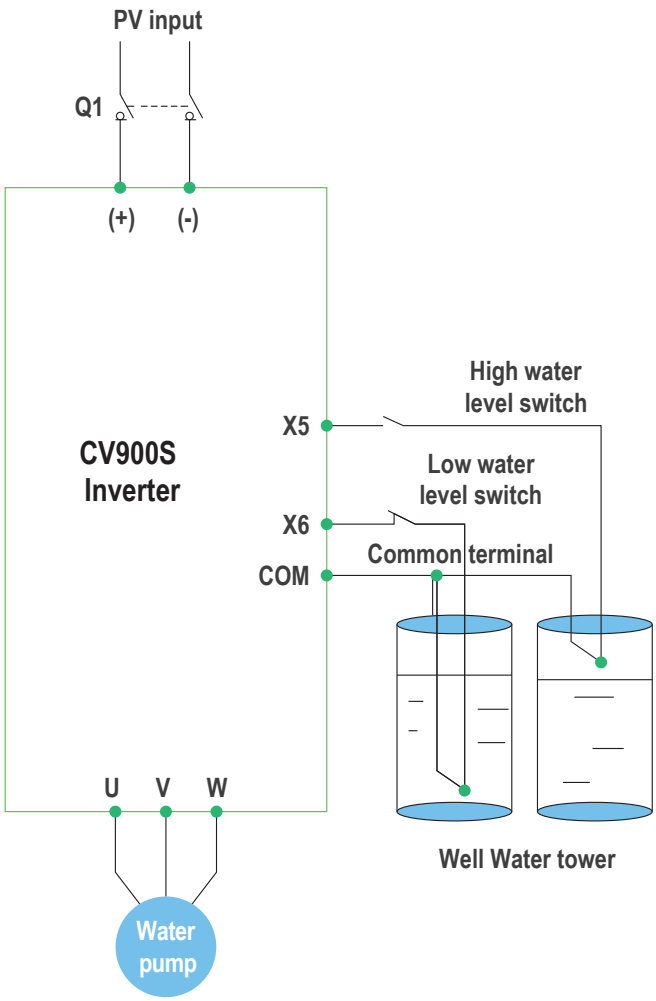
Specification Model	Overall dimensions (mm)					Installation hole position (mm)			Installation hole diameter (mm)		Picture
	W (mm)	H (mm)	D (mm)	D1 (mm)	H2 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	S1 (mm)	S2 (mm)	
CV900S-015G-14TF	205	322	197	190	/	188	/	305	Ø7	/	3
CV900S-018G-14TF											
CV900S-022G-14TF											
CV900S-030G-14TF	270	463	223.9	206.3	437.7	201.5	/	444.5	Ø6.5	Ø13.5	4
CV900S-037G-14TF											
CV900S-045G-14TF	320	522	257.6	240	489	200	100	499	Ø9	Ø16.5	
CV900S-055G-14TF											
CV900S-075G-14TF	340	720	305.6	288	663	260	130	700.5	Ø9	Ø16.5	
CV900S-090G-14TF											
CV900S-110G-14TF											
CV900S-132G-14TF	380	720	305.6	288	663	260	130	700.5	Ø9	Ø16.5	
CV900S-160G-14TF											
CV900S-185G-14TF	470	830	347.1	329.5	743	343	171.5	791	Ø11	Ø24	5
CV900S-200G-14TF											
CV900S-220G-14TF											
CV900S-250G-14TF	540	1060	416.6	399	970	420	210	1031.5	Ø13	Ø26	
CV900S-280G-14TF											
CV900S-315G-14TF											
CV900S-355G-14TF	650	1090	416.6	399	1000	420	210	1061.5	Ø13	Ø26	
CV900S-400G-14TF											
CV900S-450G-14TF	750	1280	416.6	399	1160	600	300	1237	Ø13	Ø26	
CV900S-500G-14TF											

Product Series Type

Series	Specification model	Rated output power (KW)	Rated output current (A)	Ac Input Voltage (V)	Recommended DC Input Voltage (V)
1-Phase 220V Input / 3-Phase Output	CV900S-00AG-12SF	0.4	2.4	220~260V (1-Phase)	200~390V
	CV900S-00BG-12SF	0.75	4.5		
	CV900S-001G-12SF	1.5	7.0		
	CV900S-002G-12SF	2.2	10		
	CV900S-003G-12SF	3.0	13		
	CV900S-004G-12SF	3.7	16		
	CV900S-005G-12SF	5.5	20		
	CV900S-007G-12SF	7.5	30		
	CV900S-0011G-12SF	11	42		
3-Phase 380V Input	CV900S-00BG-14TF	0.75	2.5	380~480V (3-Phase)	300~750V
	CV900S-001G-14TF	1.5	3.7		
	CV900S-002G-14TF	2.2	5.0		
	CV900S-004G-14TF	3.7	9.0		
	CV900S-005G-14TF	5.5	13		
	CV900S-007G-14TF	7.5	17		
	CV900S-011G-14TF	11	25		
	CV900S-015G-14TF	15	32		
	CV900S-018G-14TF	18.5	37		
	CV900S-022G-14TF	22	45		
	CV900S-030G-14TF	30	60		
	CV900S-037G-14TF	37	75		
	CV900S-045G-14TF	45	92		
	CV900S-055G-14TF	55	115		
	CV900S-075G-14TF	75	150		
	CV900S-090G-14TF	90	180		
	CV900S-110G-14TF	110	215		
	CV900S-132G-14TF	132	260		
	CV900S-160G-14TF	160	305		
	CV900S-185G-14TF	185	340		
	CV900S-200G-14TF	200	380		
	CV900S-220G-14TF	220	420		
	CV900S-250G-14TF	250	470		
	CV900S-280G-14TF	280	520		
	CV900S-315G-14TF	315	600		
	CV900S-355G-14TF	350	640		
	CV900S-400G-14TF	400	750		
	CV900S-450G-14TF	450	830		
	CV900S-500G-14TF	500	930		

Basic Running Wiring

The wiring parts of inverter include major loop and control loop. Open the cover of I/O terminals, users can see the major loop terminal and control loop terminal, and must conduct the wiring according to the following diagram.



Shenzhen Canroon Electrical Appliances Co., Ltd

• Induction Heating • Industrial Automation • New Energy

Headquarters address : 9/F, Skyworth Innovation Valley, No. 8 Tangtou 1 Road, Shiyan Street, Baoan District, Shenzhen

Factory address : 8/F, Building 8, Zhongyuntai Hi-tech Ind Zone, Songbai Road,Shiyan Street, Bao'an District, Shenzhen, China.

sales@canroon.com www.canroon.com 0755-26890923 / 26890925