

PV100 Series Solar Pump Inverter

Power Range : 0.4kW-110kW



HuaYuan

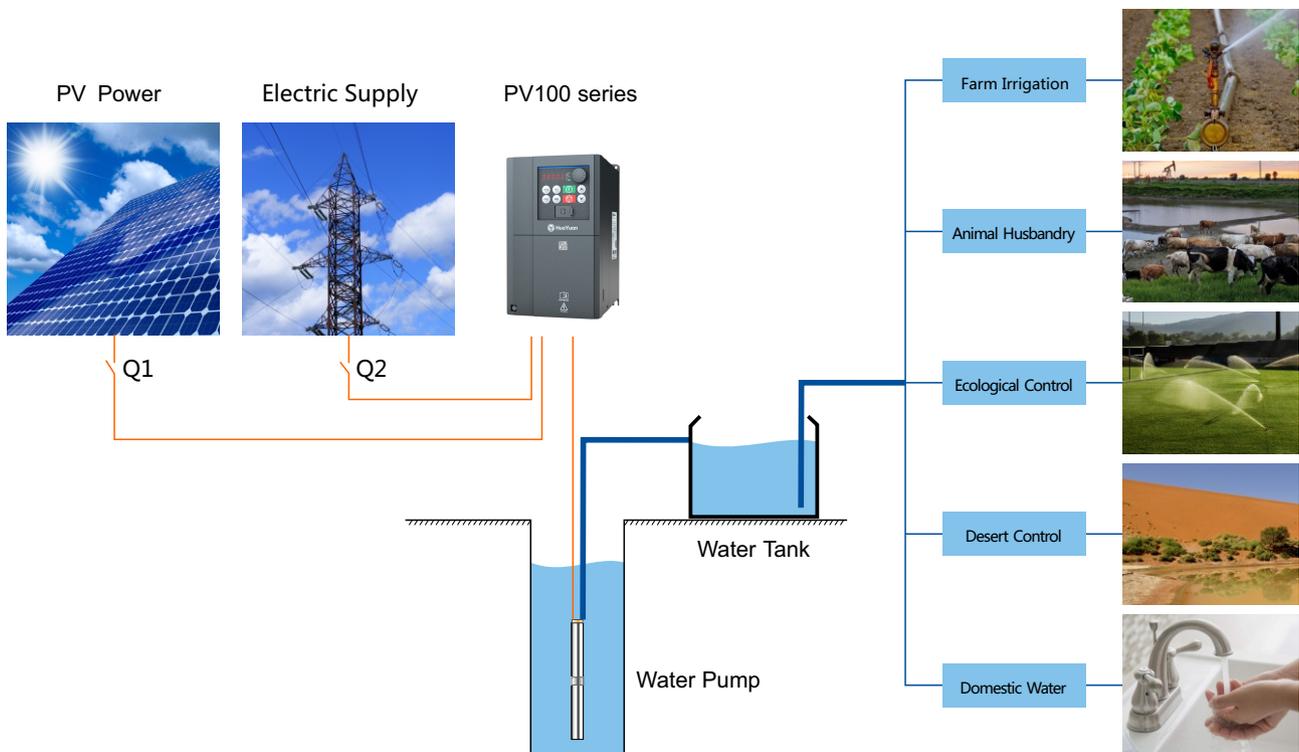
Huayuan Electric is a branch company of Beijing Huayuan Group, Specialized in developing, manufacturing, selling of industrial automatic products, also committed to provide excellent integrated solutions.

As a new-rising force in high-tech area in Huayuan Group, Huayuan Electric is in accordance with Huayuan Group's spirit 'Tenacity, Unity, exploration, Struggle', taking up the mission of improving national industry automation progress, upholding the design & development of Independent intellectual property rights, working hard at domestic market, established famous brand in this industry, and expanding our business in international market. Huayuan Electric determined to be a reliable partner to constantly create value for customers & users.

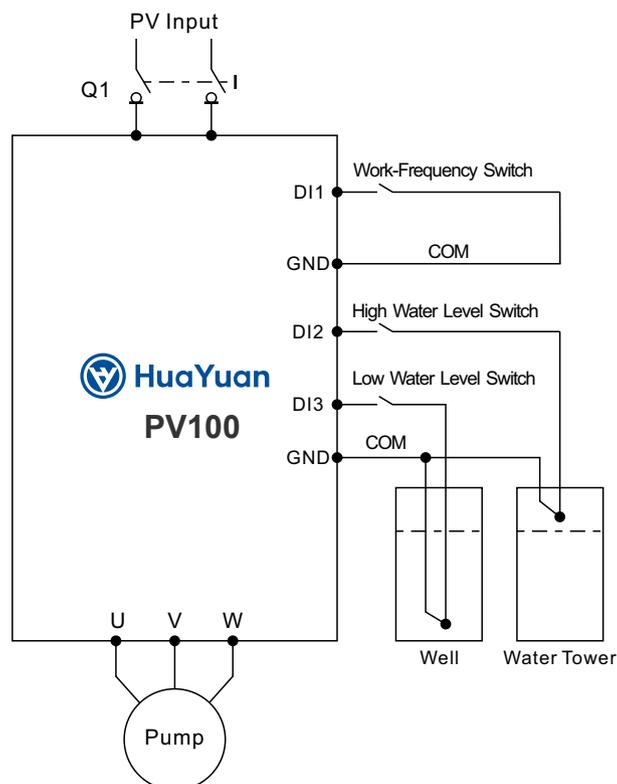
Products covered: Variable-frequency Drive, Servo Drives, UPS, which are widely applied to machine tools, package, textiles, ceramic, mine, food, chemical, transfer, data center, etc. Huayuan Electric obtained many patents after established, including 20 patents of invention; 50 patents of appearance design, 50 patents of utility model.



Solar Pumping Diagram System



System wiring diagram



Function characteristics



Wide application range

Power range: 0.4kW-110kW.
Cover 220Vac / 380Vac voltage level.
Support three-phase 220V/380V water pump.

Strong adaptability



With high efficiency and weak light working function, which can also work efficiently in cloudy weather, ensures water demand for cloudy days.

Excellent usability



Supports PV input and AC grid input,
No parameters need to be set.
Pump water system fully automatic operation,
automatic start-up and dormancy can be realized
without manual intervention.
Remote system control and monitoring are available.



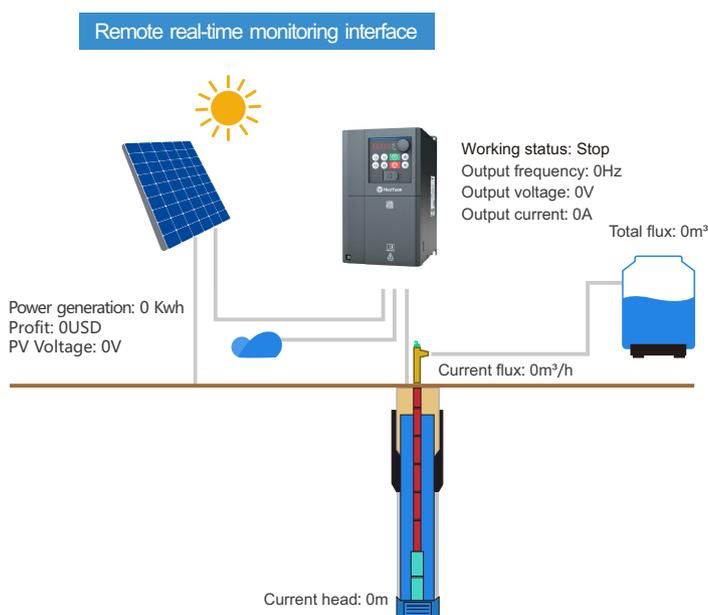
Excellent MPPT algorithm

With Built-in MPPT controller, suitable for all kinds of solar panels.
New MPPT control technology and industry-leading inverter
technology ensures the system to use solar power maximally.

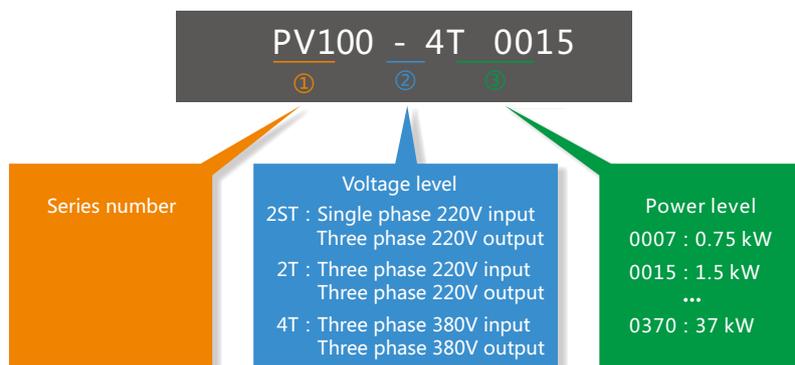


High expansibility

The low start-up voltage and wide input voltage range offer
more possibilities for accepting multi-PV string
configurations and different types of PV modules.



Type designation



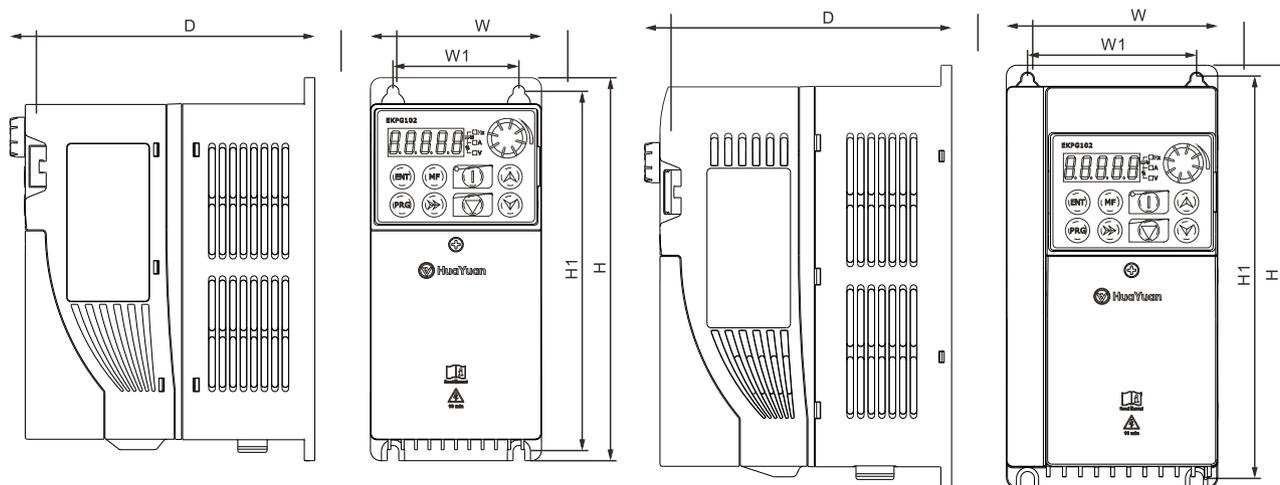
Technical parameters

Description	Model	Output Power(kW)	Input Current(A)	Output Current(A)
2ST	PV100-2ST0004	0.4	6	2.5
	PV100-2ST0007	0.75	9.5	4
	PV100-2ST0015	1.5	15	7.5
	PV100-2ST0022	2.2	25	11
2T	PV100-2T0022	2.2	13	10
4T	PV100-4T0040	4	11	10
	PV100-4T0055	5.5	15	13
	PV100-4T0075	7.5	20	17
	PV100-4T0110	11	26	25
	PV100-4T0150	15	35	32
	PV100-4T0185	18.5	38	38
	PV100-4T0220	22	46	45
	PV100-4T0300	30	62	60
	PV100-4T0370	37	76	75
	PV100-4T0450	45	90	90
	PV100-4T0550	55	105	110
	PV100-4T0750	75	140	150
	PV100-4T0900	90	160	176
	PV100-4T1100	110	210	210

Description	-2ST	-2T	-4T
AC input voltage(V)	220(-15%)~240(+10%) (1PH)	220(-15%)~240(+10%) (3PH)	380(-15%)~440(+10%) (3PH)
Maximum DC voltage(V)	440	440	850
Starting voltage(V)	200	200	300
Minimum working voltage(V)	150	150	250
Recommended DC input voltage range(V)	200~400	200~400	300~750
Recommended MPPT voltage(V)	330	330	550

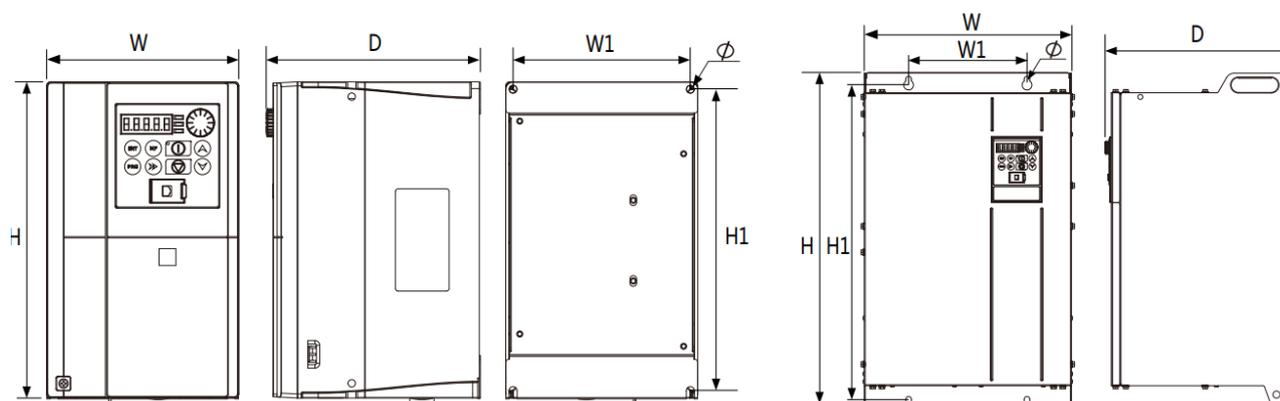
Product Installation Dimensions

(Unit: mm)



Frame A1

Frame A2



Frame A/B/C/D

Frame E/F/G

Frame	Model	Installation Size (mm)		Overall Size (mm)		
		W1	H1	W	H	D
A1	PV100-2ST0004	60	82	172	183	145
	PV100-2ST0007					
	PV100-2ST0015					
A2	PV100-2ST0022	85	110	230	240	158
A	PV100-2T0022	132	224	143	235	160
	PV100-4T0040					
	PV100-4T0055					
B	PV100-4T0075	150	250	167	265	170
	PV100-4T0110					
	PV100-4T0150					
C	PV100-4T0185	183	285	200	300	186
	PV100-4T0220					
	PV100-4T0300					
D	PV100-4T0370	218	375	235	390	196
	PV100-4T0450					
E	PV100-4T0550	200	525	350	544	311
	PV100-4T0750					
F	PV100-4T0900	200	625	350	644	311
	PV100-4T1100					



Official website

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