

Technical parameters table

Model	Power rating (kW)	Rated output current (A)	Recommend PV power (kW)	Recommend DC input (Voc)
FD590-0R7G-4	0.75	2.5	4	650-900V
FD590-1R5G-4	1.5	4.2	4	650-900V
FD590-2R2G-4	2.2	5.5	4	650-900V
FD590-004G-4	4.0	9.5	6	650-900V
FD590-5R5G-4	5.5	14	8.5	650-900V
FD590-7R5G-4	7.5	18.5	11	650-900V
FD590-011G-4	11	25	16	650-900V
FD590-015G-4	15	32	22.5	650-900V
FD590-018G-4	18.5	38	28	650-900V
FD590-022G-4	22	45	33	650-900V
FD590-030G-4	30	60	45	650-900V
FD590-037G-4	37	75	55.5	650-900V
FD590-045G-4	45	92	67.5	650-900V
FD590-055G-4	55	115	82.5	650-900V
FD590-075G-4	75	150	112.5	650-900V
FD590-090G-4	90	180	135	650-900V
FD590-110G-4	110	215	165	650-900V
FD590-132G-4	132	260	198	650-900V
FD590-160G-4	160	305	240	650-900V
FD590-185G-4	185	340	277.5	650-900V
FD590-200G-4	200	380	300	650-900V
FD590-220G-4	220	425	330	650-900V
FD590-250G-4	250	480	375	650-900V
FD590-280G-4	280	530	420	650-900V
FD590-315G-4	315	600	472.5	650-900V
FD590-355G-4	355	650	532.5	650-900V
FD590-400G-4	400	720	600	650-900V
FD590-450G-4	450	820	675	650-900V
FD590-500G-4	500	860	750	650-900V

※ Recommend MPPT Voltage: 540-630V

※ Output voltage: 3AC 0~440V

Your reliable partner



Contact information

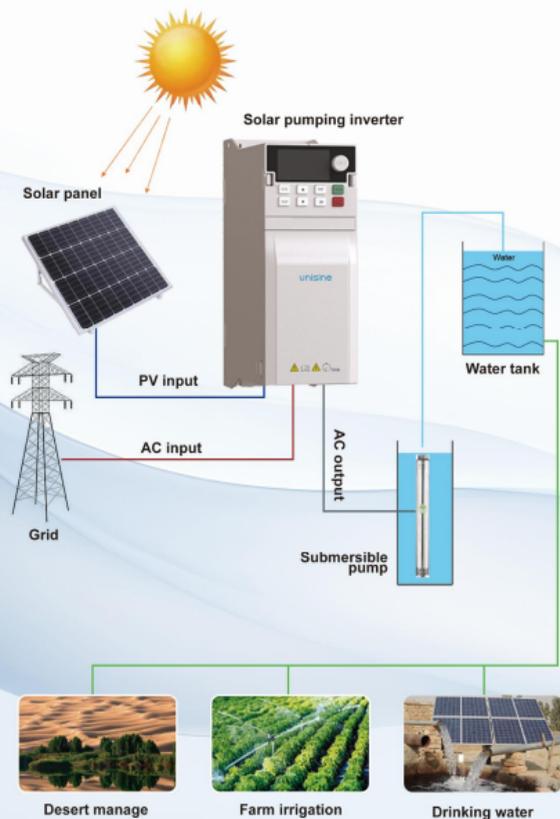
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FD590 SERIES

SOLAR PUMPING INVERTER



Solar pumping system



Power range



0.4kW~160kW
output 3AC 220~240V

1.5kW~500kW
output 3AC 380~480V

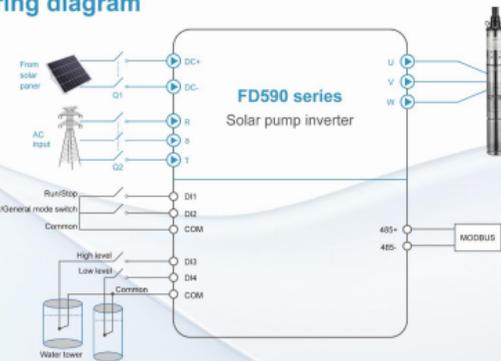
SOLAR PUMPING INVERTER

FD590

Product features

- Easy operation**
In normal situation, after connecting the solar panels, just press the button to start the inverter, no need to set parameters
- DC+AC**
DC and AC power input directly, FD590 can automatically distinguish between DC and AC inputs, No need additional circuit conversion switches.
- MPPT**
Excellent MPPT performance, as high as 99%.
- Level control**
Water level control function build-in.
- Automatic control**
Fully automatic control, auto start in the morning, auto stop in the evening.

Wiring diagram



Optional Accessories

(1) GPRS module



(2) Output reactor / filter



Cable length	Reactor / Filter
50~150m	Output reactor
150~500m	du/dt filter
500~1000m	Sinewave filter