

QUANTUM SOLAR

QPI900

Solar Pump Inverter

QPI900 series solar pump inverter adopts MPPT (Maximum Power Point Tracking) and excellent motor drive technology to maximize the power output from solar panels.

POWER RATINGS

3AC 380V~440V	0.75~500kW
3AC 220V~240V	1.5~7.5kW
1AC 220V~240V	0.4~2.2kW

CONTROL MODE

V/f

COMPATIBILITY

Asynchronous Motor

APPLICATIONS

10 + YEARS
Selling in the market

2,800,000 +
PCS Working in the market

2 YEARS
Warranty Period

0.5 %
Failure Rate

OEM/ODM
Full-service OEM & ODM solutions

10 DAYS
Lead Time

Start Torque @ 0.5Hz

150%

Overload Capability

180%

Speed Control Accuracy

±0.2%

Speed Fluctuation

±0.3%

Speed Regulation

1:200

Max. Temperature ℃[1]

50

*1: Maximum operating ambient temperature

HIGHLIGHTS

I/O TERMINALS

DI × 4

Communication port*2 × 1

*2: ModbusRTU/RS485

KEY FEATURES

SUPERIOR PERFORMANCE, OUTSTANDING VALUE

Full series book design,maximum saving installation space

New air duct design, full series of DC fan heat dissipation, safe and reliable

Enhanced triple-proof design for seamless operation in harsh environments

Built-in water level control protects against overflow and low water conditions

Simple operation-just set a few parameters for automatic operation

Superior hardware and software design ensures stable, reliable performance



- The keypad supports quick parameter copy & upload, facilitating batch commissioning
- Supports software customization
- All keypad buttons adopt silicone materials for better tactile feedback, delivering an excellent user experience
- All QPI900 models are equipped with LED/LCD keyboards . (Please inform us of your requirements before placing your order.)



MODELS

The table below provides the basic current data and corresponding motor power ratings for each model. For more detailed technical specifications, please visit our website or contact us.

3AC 380V~440V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-0R7G-4	0.75	2.5
QPI900-1R5G-4	1.5	4.2
QPI900-2R2G-4	2.2	5.5
QPI900-004G-4	4	9.5
QPI900-5R5G-4	5.5	14
QPI900-7R5G-4	7.5	18.5
QPI900-011G-4	11	25
QPI900-015G-4	15	32
QPI900-018G-4	18	38
QPI900-022G-4	22	45
QPI900-030G-4	30	60
QPI900-037G-4	37	75
QPI900-045G-4	45	92
QPI900-055G-4	55	115
QPI900-075G-4	75	150

3AC 380V~440V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-090G-4	90	180
QPI900-110G-4	110	215
QPI900-132G-4	132	260
QPI900-160G-4	160	305
QPI900-185G-4	185	340
QPI900-200G-4	200	380
QPI900-220G-4	220	425
QPI900-250G-4	250	480
QPI900-280G-4	280	530
QPI900-315G-4	315	600
QPI900-355G-4	355	650
QPI900-400G-4	400	720
QPI900-450G-4	450	820
QPI900-500G-4	500	860

3AC 220V~240V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-1R5G-2	1.5	7.5
QPI900-2R2G-2	2.2	10
QPI900-004G-2	4	16

3AC 220V~240V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-5R5G-2	5.5	20
QPI900-7R5G-2	7.5	30

1AC 220V~240V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-0R4G-SS2	0.4	4.2
QPI900-0R7G-SS2	0.75	7.2
QPI900-1R5G-SS2	1.5	10.2
QPI900-2R2G-SS2	2.2	14

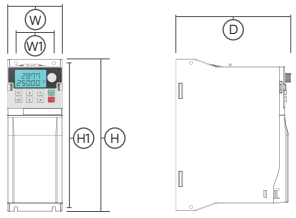
1AC 220V~240V MODEL	Rated Output Power (kW)	Rated Output Current (A)
QPI900-0R4G-S2	0.4	2.5
QPI900-0R7G-S2	0..75	4.2
QPI900-1R5G-S2	1.5	7.5
QPI900-2R2G-S2	2.2	10

DIMENSIONS

- Different power ratings share a similar appearance-FRAME A/B/C, with slight variations in dimensions and proportions.
- For more size & weight information, please visit our website or contact us directly.
- For specific dimensions of certain custom models, please contact us.

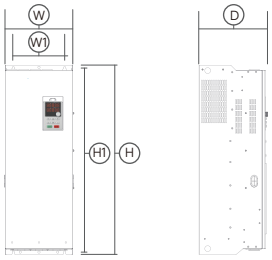
0.4~22 kW（380V）
0.4~7.5 kW（220V）

FRAME A



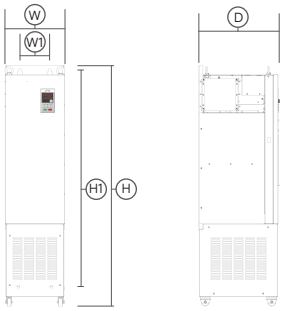
30~500 kW（380V）

FRAME B



75~500 kW（380V）

FRAME C



POWER	W	H	D	W1	H1	Φ
0.4~2.2	72	200	150.5	50	190.8	4
4~7.5	100	240	160.5	70	230.8	4
11~15	120	330	172.5	111	321.5	4
18.5~22	142	383	227.5	120	373.5	4
30~37	172	430	230	140	412	7
45~55	210	500	270	150	480	10
75~110	290	810	285	110	790	10
132~160	315	970	310	125	940	12

POWER	W	H	D	W1	H1	Φ
185~220	360	995	480	180	953	18
250~315	370	1194	550	200	1164	18
355~500	410	1500	550	200	1470	18
75~110	290	1248	285	110	815	10
132~160	315	1408	310	125	970	12
185~220	360	1460	480	180	1315	18
250~315	370	1665	550	200	1520	18
355~500	410	2075	550	200	1942	18

POWER	W	H	D	W1	H1	Φ
0.4~2.2	72	200	150.5	50	190.8	4
4~5.5	100	240	160.5	70	230.8	4

POWER	W	H	D	W1	H1	Φ
7.5	120	330	172.5	111	321.5	4

Power Unit: kW

Dimension Unit: mm

Quantum Solar

V2.01

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