

inverter is zero when the switch is working)

6. At over 1,000 meters altitude, the inverter's heat dissipation function worsened due to the thin air, it is necessary to use less.
7. The inverter output voltage is pulse wave type. If using digital multi-meter measurement, deviation of the reading will be great. And the deviation is different by using different type of digital multi-meter. Under normal circumstances, while RMS 380V, digital multi-meter reading is around 450V.
8. Solar panel can be connected in the series or parallel. For rated voltage 380V controller, we suggest working voltage between 480V and 560V while MPPT. What means the solar panel open circuit voltage should be between 600V and 700V.

1.4 Technical Specification

Solar pump inverter power(KW)	Pump		Recommend solar power input (KW)	Max DC input voltage V	Recommend Voc voltage (V)	Rated output current (A)	Output frequency (Hz)
	Rated power (KW)	Rated voltage (V)					
S80-D1 series, DC60-450VDC 1PH/3PH 110VAC input, 3 phase 110-230VAC output							
0.75	0.75	110	1.0	450	175~380	7A	0-600
1.5	1.5	110	1.95	450	175~380	10A	0-600
S80-D3 series,DC150V-450VDC 1PH/3PH 220-240VAC input, 3 phase 220-240VAC output							
0.75	0.75	220	1.0	450	360~430	4A	0-600
1.5	1.5	220	1.95	450	360~430	7A	0-600
2.2	2.2	220	2.86	450	360~430	10A	0-600
4	4	220	5.4	450	360~430	16A	0-600
5.5	5.5	220	8	450	360~430	20	0-600
7.5	7.5	220	10	450	360~430	30	0-600
11	11	220	14.3	450	360~430	42	0-600
15	15	220	19.5	450	360~430	55	0-600
18.5	18.5	220	23.4	450	360~430	70	0-600
22	22	220	28.6	450	360~430	80	0-600
30	30	220	39	450	360~430	110	0-600
37	37	220	48.1	450	360~430	130	0-600
45	45	220	58.5	450	360~430	160	0-600
55	55	220	71.5	450	360~430	200	0-600
S80-D5 series,DC250V to 900VDC 3PH 380-480VAC input, 3 phase 380-460VAC output							
0.75	0.75	380	1.0	900	620~850	3.0	0-600
1.5	1.5	380	2.2	900	620~850	4.0	0-600
2.2	2.2	380	3.3	900	620~850	6.0	0-600
4	4	380	5.6	900	620~850	10	0-600
5.5	5.5	380	8	900	620~850	13	0-600
7.5	7.5	380	10	900	620~850	17	0-600
11	11	380	14.3	900	620~850	25	0-600
15	15	380	19.5	900	620~850	32	0-600
18.5	18.5	380	23.4	900	620~850	38	0-600
22	22	380	28.6	900	620~850	45	0-600
30	30	380	39	900	620~850	60	0-600
S80-T3 series,DC350V to 900VDC 3PH 380-480VAC input,3phase 380-440VAC output							

Solar pump inverter power(KW)	Pump		Recommend solar power input (KW)	Max DC input voltage V	Recommend Voc voltage (V)	Rated output current (A)	Output frequency (Hz)
	Rated power (KW)	Rated voltage (V)					
37	37	380	48.1	900	620~850	75	0-600
45	45	380	58.5	900	620~850	90	0-600
55	55	380	71.5	900	620~850	110	0-600
75	75	380	97.5	900	620~850	150	0-600
90	90	380	121.5	900	620~850	180	0-600
110	110	380	148.5	900	620~850	210	0-600
132	132	380	178.2	900	620~850	250	0-600
160	160	380	216	900	620~850	310	0-600
185	185	380	249.75	900	620~850	340	0-600
200	200	380	270	900	620~850	380	0-600
220	220	380	297	900	620~850	415	0-600
250	250	380	337.5	900	620~850	470	0-600
280	280	380	378	900	620~850	510	0-600
315	315	380	425.25	900	620~850	600	0-600
355	355	380	479.25	900	620~850	670	0-600
400	400	380	540	900	620~850	850	0-600
450	450	380	607.5	900	620~850	810	0-600
500	500	380	675	900	620~850	860	0-600
560	560	380	756	900	620~850	990	0-600
630	630	380	850.5	900	620~850	1100	0-600
710	710	380	958.5	900	620~850	1260	0-600
S80-SS2 series,DC150V-450VDC 1PH 220-240VAC input, 1 phase 220-240VAC output							
0.75	0.75	220	1.0	450	360~430	7	0-600
1.5	1.5	220	1.95	450	360~430	10	0-600
2.2	2.2	220	2.86	450	360~430	16	0-600
4	4	220	5.4	450	360~430	30	0-600
5.5	5.5	220	8	450	360~430	42	0-600
7.5	7.5	220	10	450	360~430	55	0-600
11	11	220	14.3	450	360~430	80	0-600
15	15	220	19.5	450	360~430	110	0-600

1.5 Cautions in Disposal

When you dispose frequency inverter, please pay attention to:

1. Electrolytic capacitor: the electrolytic capacitor of main circuit or the printing plate may explode when they are burned.
2. Plastic: plastic incineration may generate toxic gases.
3. Dispose method: please dispose as industrial waste.