

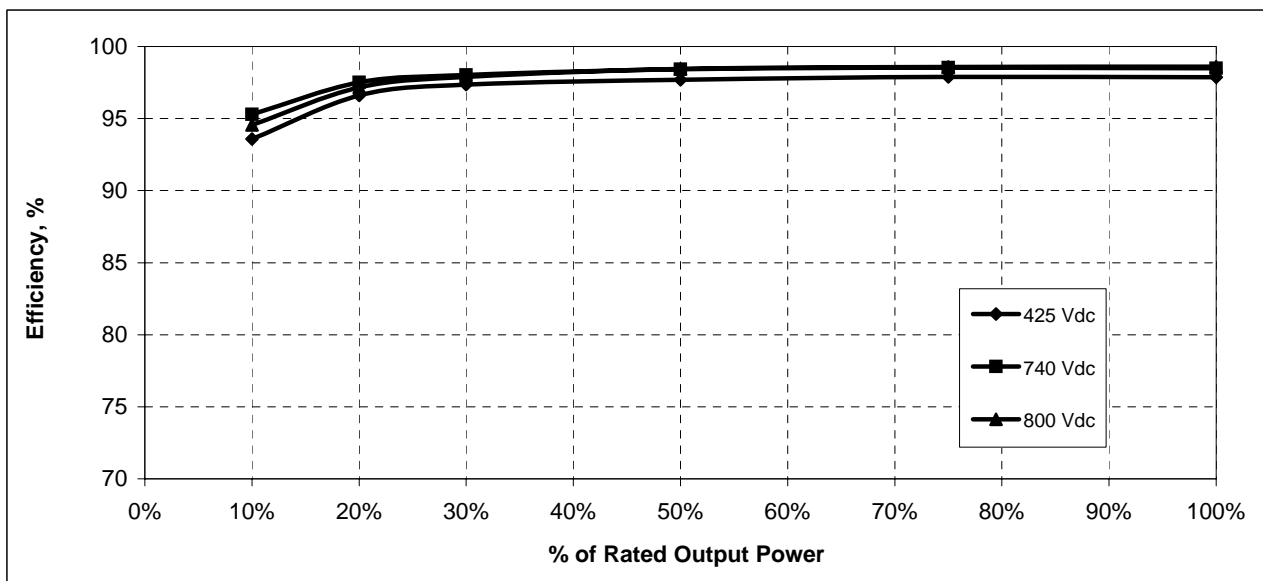
Manufacturer: HiQ Solar
 Model #: TS480-8k

Rated Maximum Continuous Output Power: 8.00 kW Night Tare Loss: 4.00 W

Vmin: 425 Vdc Vnom: 740 Vdc Vmax: 800 Vdc

Input Voltage (Vdc)	Power Level (%; kW)						Wtd
	10%	20%	30%	50%	75%	100%	
Vmin 425	93.6	96.6	97.4	97.7	97.9	97.9	97.6
Vnom 740	95.3	97.5	98.0	98.4	98.5	98.5	98.3
Vmax 800	94.6	97.2	97.9	98.4	98.6	98.6	98.2

CEC Efficiency = 98.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	781.40	4.28E+02	93.62568895	779.8	4.28E+02	93.60220862	777.1	4.28E+02	93.41266979	779.3	4.28E+02	93.62085536	778.7	4.28E+02	93.61625391
20%	Vmin	1722.80	4.27E+02	96.62366798	1723.3	4.27E+02	96.61378034	1723	4.27E+02	96.60779366	1722.8	4.27E+02	96.60741322	1720.9	4.27E+02	96.61464181
30%	Vmin	2554.40	4.28E+02	97.35127101	2554.6	4.28E+02	97.35518293	2554.7	4.28E+02	97.3589939	2555.7	4.28E+02	97.36370909	2555.8	4.28E+02	97.36010057
50%	Vmin	4134.90	4.28E+02	97.71712159	4129.6	4.28E+02	97.62416964	4132.8	4.28E+02	97.71829854	4132.4	4.28E+02	97.71346149	4131.6	4.28E+02	97.71765095
75%	Vmin	5998.80	4.28E+02	97.88365832	6002.6	4.28E+02	97.94406553	5999.4	4.28E+02	97.88546256	5998.5	4.28E+02	97.88674935	5997.7	4.28E+02	97.88647343
100%	Vmin	7644.30	4.28E+02	97.86833615	7643.9	4.28E+02	97.86948005	7643	4.27E+02	97.86672813	7642.8	4.27E+02	97.86291407	7642.9	4.27E+02	97.86294143
10%	Vnom	775.40	7.39E+02	95.3165335	772.2	7.40E+02	95.28627838	775	7.40E+02	95.31422949	776.3	7.39E+02	95.20480746	778.1	7.39E+02	95.32034791
20%	Vnom	1730.60	7.40E+02	97.52606368	1727.7	7.40E+02	97.51650957	1727.2	7.40E+02	97.52682101	1724	7.40E+02	97.52234416	1724.2	7.40E+02	97.51710876
30%	Vnom	2545.20	7.40E+02	98.02426343	2547.6	7.40E+02	98.01854488	2547.6	7.40E+02	98.0336322	2545.9	7.40E+02	98.02479593	2545.1	7.40E+02	98.02418734
50%	Vnom	4143.60	7.40E+02	98.43215507	4138.1	7.40E+02	98.43010395	4138.2	7.40E+02	98.43014129	4135.9	7.40E+02	98.42928199	4133.3	7.40E+02	98.43299755
75%	Vnom	6005.10	7.41E+02	98.53310362	6006.3	7.41E+02	98.53662538	6006.4	7.41E+02	98.53826593	6006.2	7.41E+02	98.53336833	6006.3	7.41E+02	98.53662538
100%	Vnom	7652.10	7.41E+02	98.48896325	7651.6	7.41E+02	98.48633064	7651.4	7.41E+02	98.48755937	7651.6	7.41E+02	98.48886601	7651.1	7.41E+02	98.48876875
10%	Vmax	779.20	8.01E+02	94.54016016	780	8.01E+02	94.55691599	781.5	8.01E+02	94.56679574	781.7	8.01E+02	94.5566711	779.3	8.01E+02	94.54082252
20%	Vmax	1704.50	8.00E+02	97.15018524	1708.6	8.00E+02	97.16235428	1711.7	8.00E+02	97.16734787	1716.8	8.00E+02	97.1810257	1721.5	8.00E+02	97.17204787
30%	Vmax	2547.00	8.00E+02	97.88247954	2545.5	8.00E+02	97.90008077	2544.7	8.00E+02	97.89190229	2543.7	8.00E+02	97.89485837	2543.9	8.00E+02	97.88748653
50%	Vmax	4144.40	8.00E+02	98.43245297	4148.6	8.00E+02	98.42934422	4151	8.00E+02	98.43490633	4154.2	8.00E+02	98.48276516	4154	8.00E+02	98.43368641
75%	Vmax	6005.30	8.00E+02	98.59462477	6003.6	8.00E+02	98.58289956	6003.6	8.00E+02	98.58613725	6003.2	8.00E+02	98.58280647	6004	8.00E+02	98.58461134
100%	Vmax	7668.70	7.99E+02	98.59855741	7669.4	7.99E+02	98.60502192	7670.9	7.99E+02	98.60402339	7672	7.99E+02	98.60295346	7672.1	7.99E+02	98.59916978