Manufacturer: SOLARCITY

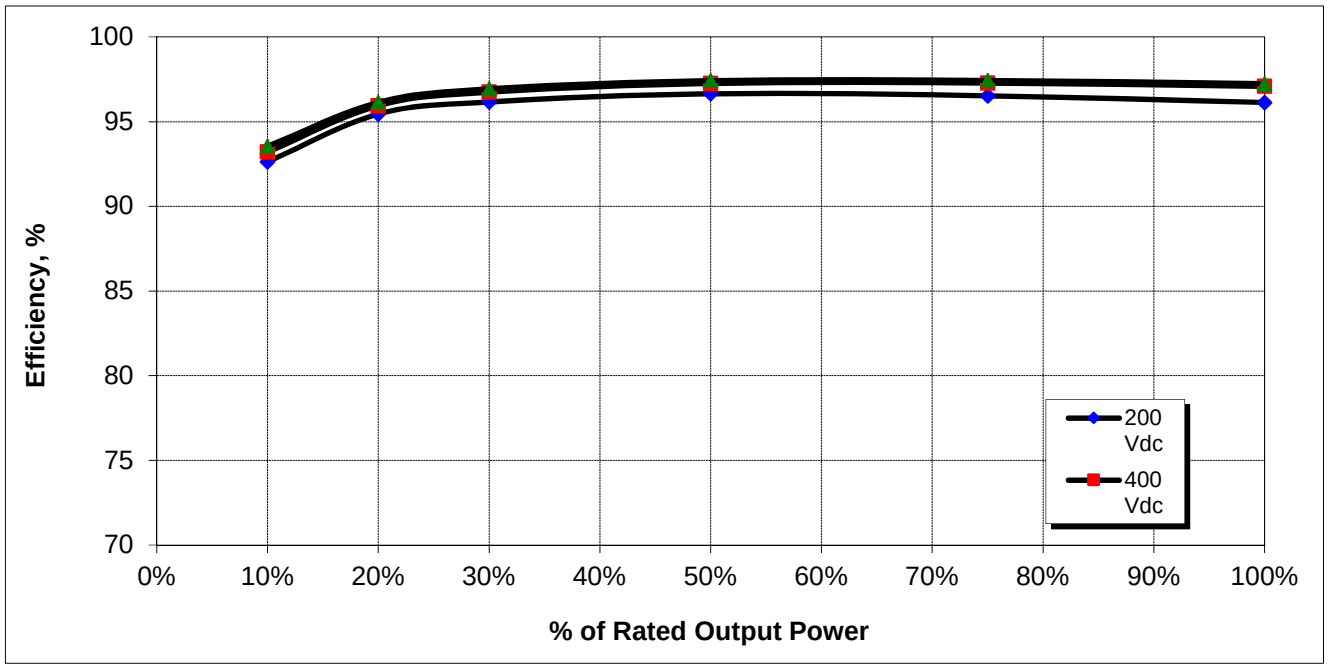
Model #: H6

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: 6.00 W

Vmin: 200 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	200	92.6	95.4	96.2	96.7	96.5	96.1	96.3
Vnom	400	93.2	95.9	96.7	97.3	97.3	97.1	97.0
Vmax	480	93.5	96.1	96.9	97.4	97.4	97.2	97.1

CEC Efficiency = 97.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1 (SN3)			Sample #2 (SN16)			Sample #3 (SN18)			Sample #4 (SN29)			Sample #5 (SN34)			
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	AVERAGE
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)	VALUE
10%	Vmin	0.6	200	92.470	0.6	200	92.660	0.6	200	92.650	0.6	200	92.690	0.6	200	92.720	92.638
20%	Vmin	1.2	200	95.400	1.2	200	95.460	1.2	200	95.480	1.2	200	95.470	1.2	200	95.430	95.448
30%	Vmin	1.8	200	96.100	1.8	200	96.160	1.8	200	96.180	1.8	200	96.160	1.8	200	96.220	96.164
50%	Vmin	3	200	96.600	3	200	96.650	3	200	96.670	3	200	96.670	3	200	96.670	96.652
75%	Vmin	4.5	200	96.510	4.5	200	96.550	4.5	200	96.570	4.5	200	96.510	4.5	200	96.510	96.530
100%	Vmin	6	200	96.100	6	200	96.140	6	200	96.160	6	200	96.160	6	200	96.110	96.134
10%	Vnom	0.6	400	93.020	0.6	400	93.330	0.6	400	93.290	0.6	400	93.190	0.6	400	93.230	93.212
20%	Vnom	1.2	400	95.870	1.2	400	95.960	1.2	400	96.000	1.2	400	95.970	1.2	400	95.920	95.944
30%	Vnom	1.8	400	96.690	1.8	400	96.760	1.8	400	96.780	1.8	400	96.760	1.8	400	96.720	96.742
50%	Vnom	3	400	97.230	3	400	97.280	3	400	97.290	3	400	97.270	3	400	97.250	97.264
75%	Vnom	4.5	400	97.270	4.5	400	97.300	4.5	400	97.320	4.5	400	97.270	4.5	400	97.270	97.286
100%	Vnom	6	400	97.080	6	400	97.100	6	400	97.120	6	400	97.090	6	400	97.080	97.094
10%	Vmax	0.6	480	93.430	0.6	480	93.560	0.6	480	93.680	0.6	480	93.620	0.6	480	93.450	93.548
20%	Vmax	1.2	480	96.060	1.2	480	96.150	1.2	480	96.200	1.2	480	96.170	1.2	480	96.120	96.140
30%	Vmax	1.8	480	96.870	1.8	480	96.950	1.8	480	96.980	1.8	480	96.950	1.8	480	96.910	96.932
50%	Vmax	3	480	97.390	3	480	97.430	3	480	97.460	3	480	97.440	3	480	97.410	97.426
75%	Vmax	4.5	480	97.420	4.5	480	97.450	4.5	480	97.470	4.5	480	97.420	4.5	480	97.420	97.436
100%	Vmax	6	480	97.220	6	480	97.240	6	480	97.260	6	480	97.240	6	480	97.230	97.238

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															