Manufacturer: Canadian Solar

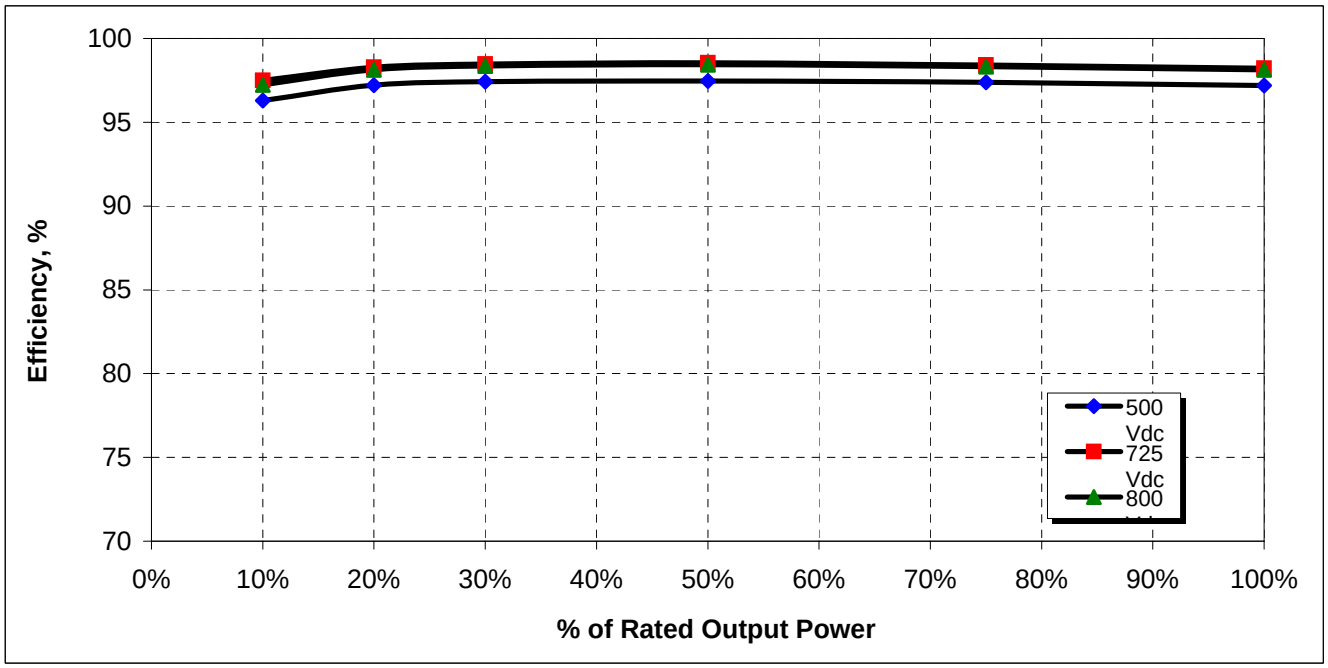
Model #: CSI-28KTL-CT

Rated Maximum Continuous Output Power: 28.00 kW Night Tare Loss: 0.90 W

Vmin: 500 Vdc Vnom: 725 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.80	5.60	8.40	14.00	21.00	28.00	Wtd
Vmin	500	96.3	97.2	97.4	97.5	97.4	97.2	97.3
Vnom	725	97.5	98.3	98.5	98.5	98.4	98.2	98.4
Vmax	800	97.2	98.1	98.4	98.4	98.3	98.1	98.3

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	2720	502.1	96.283	2720	502.1	96.283	2720	502.1	96.283	2720	502.1	96.283	2720	502.1	96.295
20%	Vmin	5600	502.7	97.228	5600	502.77	97.188	5600	502.7	97.183	5600	502.77	97.211	5600	502.7	97.200
30%	Vmin	8200	501.7	97.433	8200	501.7	97.430	8200	501.7	97.433	8200	501.7	97.418	8200	501.7	97.410
50%	Vmin	13750	501.2	97.446	13750	501.2	97.453	13750	501.2	97.456	13750	501.23	97.453	13750	501.2	97.460
75%	Vmin	20480	502.5	97.386	20480	502.47	97.394	20480	502.47	97.389	20480	502.5	97.382	20480	502.5	97.379
100%	Vmin	27260	501.53	97.184	27260	501.53	97.184	27260	501.57	97.184	27260	501.6	97.184	27260	501.6	97.184
10%	Vnom	2750	723.27	97.495	2750	723.23	97.483	2750	723.2	97.518	2746.7	723.2	97.469	2750	723.2	97.529
20%	Vnom	5673.33	719.97	98.285	5673.33	719.97	98.308	5670	720	98.261	5673.3	720	98.308	5673.3	720.03	98.308
30%	Vnom	8400	721.07	98.461	8400	721	98.488	8400	721	98.511	8400	721.1	98.499	8400	721.07	98.464
50%	Vnom	13800	720.17	98.562	13793.3	720.13	98.538	13800	720.13	98.550	13800	720.13	98.543	13800	720.2	98.548
75%	Vnom	20773.3	724.23	98.411	20770	724.23	98.408	20770	724.23	98.413	20773	724.23	98.415	20773	724.2	98.418
100%	Vnom	28010	723.17	98.239	28006.7	723.17	98.225	28006.7	723.17	98.222	28007	723.13	98.229	28010	723.13	98.239
10%	Vmax	2776.67	795.2	97.188	2780	795.2	97.237	2780	795.2	97.305	2780	795.2	97.191	2776.7	795.2	97.248
20%	Vmax	5630	795	98.158	5630	795	98.141	5630	795	98.129	5630	795	98.135	5630	795	98.129
30%	Vmax	8250	795	98.370	8250	795.03	98.370	8250	795	98.343	8250	795.1	98.367	8250	795.03	98.374
50%	Vmax	13910	795.17	98.436	13913.3	795.2	98.439	13910	795.2	98.434	13910	795.2	98.420	13910	795.2	98.427
75%	Vmax	20590	795.23	98.329	20580	795.2	98.296	20590	795.2	98.329	20590	795.2	98.313	20587	795.2	98.297
100%	Vmax	27516.7	795.2	98.141	27523.3	795.2	98.129	27520	795.2	98.135	27530	795.2	98.137	27520	795.2	98.137

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	2720	502.1	96.295	2720	502.1	96.283									
20%	Vmin	5600	502.7	97.211	5600	502.7	97.200									
30%	Vmin	8200	501.7	97.422	8200	501.73	97.414									
50%	Vmin	13750	501.2	97.462	13750	501.2	97.456									
75%	Vmin	20480	502.5	97.380	20480	502.5	97.380									
100%	Vmin	27260	501.57	97.184	27260	501.6	97.184									
10%	Vnom	2750	723.2	97.506	2750	723.23	97.506									
20%	Vnom	5670	720	98.233	5670	720.03	98.256									
30%	Vnom	8400	721.1	98.488	8400	721.07	98.457									
50%	Vnom	13800	720.2	98.520	13800	720.2	98.525									
75%	Vnom	20776.7	724.2	98.419	20780	724.2	98.431									
100%	Vnom	28003.3	723.17	98.216	28006.7	723.17	98.229									
10%	Vmax	2780	795.2	97.271	2776.67	795.2	97.154									
20%	Vmax	5630	795	98.141	5630	795	98.118									
30%	Vmax	8250	795.03	98.359	8250	795.1	98.343									
50%	Vmax	13910	795.2	98.438	13910	795.2	98.445									
75%	Vmax	20586.7	795.2	98.313	20590	795.23	98.313									
100%	Vmax	27526.7	795.2	98.137	27526.7	795.2	98.135									