Manufacturer: SolarBridge Technologies

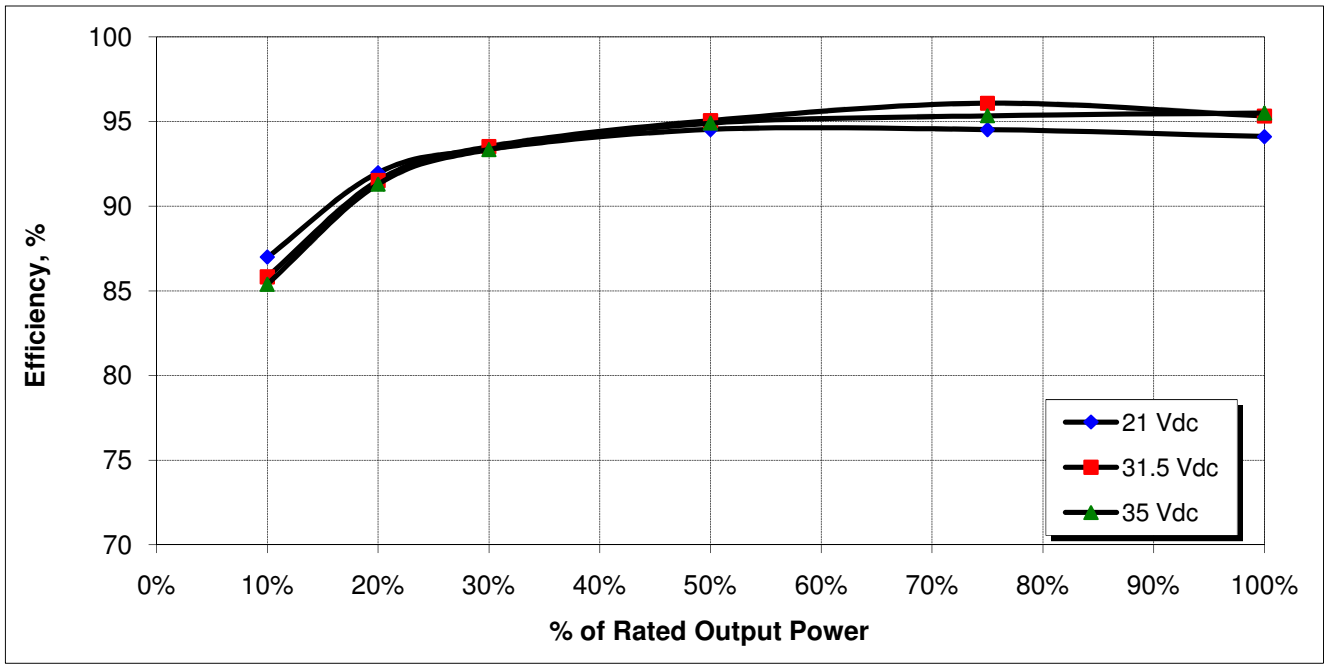
Model #: P235LV-240, P235LV-240-Fxx

Rated Maximum Continuous Output Power: 0.23 kW Night Tare Loss: -0.02 W

Vmin: 21 Vdc Vnom: 31.5 Vdc Vmax: 35 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.02	0.05	0.07	0.11	0.17	0.23	Wtd
Vmin	21	87.0	92.0	93.4	94.5	94.5	94.1	93.9
Vnom	31.5	85.8	91.5	93.5	95.1	96.1	95.3	94.9
Vmax	35	85.4	91.3	93.3	94.9	95.3	95.5	94.4

CEC Efficiency = 94.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	22.42	21	87.0	22.42	21	87.0	22.42	21	87.0	22.41	21	87.0	22.41	21	87.0
20%	Vmin	49.3	21	92.0	49.3	21	92.0	49.3	21	92.0	49.3	21	92.0	49.3	21	92.0
30%	Vmin	72.1	21	93.4	72.1	21	93.4	72.1	21	93.4	72.1	21	93.4	72.1	21	93.4
50%	Vmin	122.3	21.1	94.5	122.4	21.1	94.6	122.3	21.1	94.5	122.3	21.1	94.5	122.3	21.1	94.5
75%	Vmin	158.4	21	94.6	158.3	21	94.5	158.3	21	94.5	158.3	21	94.5	158.3	21	94.5
100%	Vmin	214	21	94.1	214	21	94.1	214	21	94.1	214	21	94.1	214	21	94.1
10%	Vnom	22.4	31.5	85.8	22.4	31.5	85.8	22.4	31.5	85.8	22.4	31.5	85.8	22.4	31.5	85.8
20%	Vnom	48.5	31.5	91.5	48.5	31.5	91.5	48.5	31.5	91.5	48.5	31.5	91.5	48.5	31.5	91.5
30%	Vnom	72.1	31.5	93.5	72.1	31.5	93.5	72.1	31.5	93.5	72.1	31.5	93.5	72.1	31.5	93.5
50%	Vnom	122.9	31.5	95.6	122.9	31.5	94.9	122.9	31.5	94.9	122.9	31.5	94.9	122.9	31.5	94.9
75%	Vnom	177.7	31.5	95.2	179.7	31.5	96.3	179.7	31.5	96.3	179.6	31.5	96.2	179.7	31.5	96.3
100%	Vnom	214	31.5	95.3	214	31.5	95.3	214	31.5	95.3	214	31.5	95.3	214	31.5	95.3
10%	Vmax	22.44	34.9	85.3	22.42	34.9	85.2	22.43	34.9	85.3	22.5	34.9	85.6	22.5	34.9	85.6
20%	Vmax	49.3	35	91.3	49.3	35	91.3	49.3	35	91.3	49.3	35	91.3	49.3	35	91.3
30%	Vmax	72.9	35	93.3	72.9	35	93.3	72.9	35	93.3	72.9	35	93.3	72.9	35	93.3
50%	Vmax	122.9	35	94.9	122.9	35	94.9	122.9	35	94.9	122.9	35	94.9	122.9	35	94.9
75%	Vmax	179.8	35	95.3	179.8	35	95.3	179.8	35	95.3	179.8	35	95.3	179.8	35	95.3
100%	Vmax	214.3	35	95.5	214.3	35	95.5	214.3	35	95.5	214.3	35	95.5	214.3	35	95.5

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															