Manufacturer: Enecsys LLC

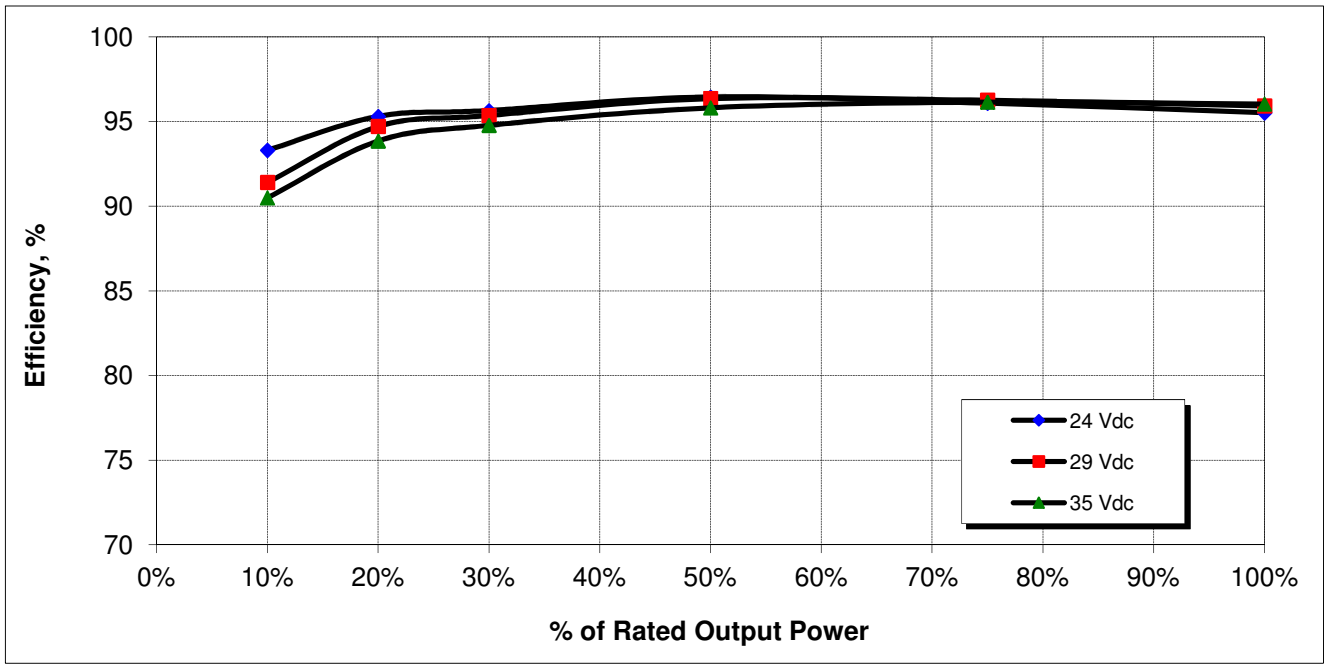
Model #: 280-60-MP, 280-60-MM, 280-60-MM-S

Rated Maximum Continuous Output Power: 280.00 W Night Tare Loss: 0.03 W

Vmin: 24 Vdc Vnom: 29 Vdc Vmax: 35 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		28.00	56.00	84.00	140.00	210.00	280.00	Wtd
Vmin	24	93.3	95.3	95.6	96.4	96.1	95.5	95.9
Vnom	29	91.4	94.7	95.4	96.4	96.3	95.9	95.9
Vmax	35	90.5	93.9	94.8	95.8	96.1	96.0	95.6

CEC Efficiency = 96.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample # 200000265			Sample # 200000424			Sample # 200000450			Sample # 200000284			Sample # 200000447		
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	27.6	24.1	92.9	27.6	24.3	93.3	27.8	24.0	93.6	27.5	24.4	93.3	27.8	24.0	93.5
20%	Vmin	55.8	24.6	95.2	55.9	24.6	95.3	55.9	24.6	95.4	56.2	24.5	95.3	55.8	24.6	95.3
30%	Vmin	84.4	24.5	95.6	84.2	24.6	95.6	84.8	24.4	95.7	84.5	24.5	95.6	84.7	24.5	95.6
50%	Vmin	142.9	24.3	96.4	143.5	24.1	96.5	143.0	24.3	96.5	142.5	24.4	96.4	143.0	24.3	96.4
75%	Vmin	213.5	24.1	96.1	212.9	24.2	96.1	213.9	24.0	96.1	212.7	24.2	96.1	213.4	24.1	96.0
100%	Vmin	281.4	24.0	95.6	280.5	24.1	95.5	280.7	24.0	95.5	280.5	24.1	95.5	280.5	24.1	95.5
10%	Vnom	25.3	30.4	90.7	26.6	29.6	91.5	26.6	29.7	91.6	26.8	29.5	91.6	26.7	29.7	91.5
20%	Vnom	56.6	28.3	94.6	56.6	27.9	94.8	56.4	29.1	94.7	56.5	27.6	94.9	56.5	29.1	94.6
30%	Vnom	85.6	28.5	95.3	85.6	28.3	95.4	85.1	29.2	95.4	85.2	29.1	95.3	85.1	29.3	95.3
50%	Vnom	144.2	28.7	96.3	144.1	28.9	96.4	144.4	28.6	96.4	144.2	28.8	96.4	144.4	28.7	96.4
75%	Vnom	215.8	28.8	96.3	215.7	28.8	96.3	215.7	28.8	96.3	215.5	28.9	96.2	215.8	28.8	96.2
100%	Vnom	285.7	28.8	96.0	285.8	28.7	95.9	285.3	28.9	95.9	285.4	28.8	95.9	285.2	28.9	95.9
10%	Vmax	26.7	34.0	89.9	26.6	32.9	90.7	26.4	32.2	90.9	26.9	33.6	90.5	27.0	33.9	90.5
20%	Vmax	55.6	35.0	93.5	55.0	32.9	94.2	55.5	33.7	93.9	55.6	33.8	93.9	55.6	34.0	93.8
30%	Vmax	83.5	35.8	94.6	84.5	35.1	94.9	83.8	35.8	94.9	83.9	35.7	94.8	83.7	35.8	94.8
50%	Vmax	143.0	34.8	95.8	142.8	35.4	95.9	143.0	35.2	95.8	142.8	35.3	95.8	142.9	35.4	95.8
75%	Vmax	215.2	35.1	96.1	214.9	35.3	96.2	215.3	35.1	96.2	214.7	35.3	96.1	215.7	34.9	96.1
100%	Vmax	285.5	35.2	96.0	286.2	35.1	96.1	285.9	35.2	96.1	286.3	35.1	96.0	286.3	35.1	96.0

Specified		Sample #			Sample #			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															