



Large Roof System Comparison Chart



SYSTEM SPECS	75 KW SYSTEM	100 KW SYSTEM	135 KW SYSTEM	250 KW SYSTEM
Panels	390 - 230 watt panels	508 - 230 watt panels	702- 230 watt panels	1326- 230 watt panels
Inverter	1 - 75 kW Satcon	1 - 100 kW Satcon	1 - 135 kW Satcon	1 - 250 kW Satcon
Electricity Service	3 phase	3 phase	3 phase	3 phase
System DC rating (kW)	89.7	116.84	161.46	304.98
System AC rating (kW)	75	100	135	250
Derate Factor (percent of DC rating)	0.79	0.79	0.79	0.79
Degrees of Angle	17	17	17	17
Hours of Sun Average	3.9	3.9	3.9	3.9
Cost of System	\$467,000	\$599,000	\$798,000	\$1,450,000
Cost per dc watt of system	\$5.21	\$5.13	\$4.94	\$4.75
Expected Annual AC output (kW)	100873	131394	181572	342970
Annual Gross Revenue	\$71,923	\$93,684	\$129,461	\$244,537
Annual Exp. (Insurance, maintenance, Monitoring)	\$2,000	\$2,550	\$3,400	\$6,000
Annual Net Revenue	\$69,923	\$91,134	\$126,061	\$238,537
1st year Return On Investment	15.40%	15.64%	16.22%	16.86%
20 year Average Annual Gross Income	\$65,090	\$84,784	\$117,162	\$221,306
20 year Return on Investment	13.94%	14.15%	14.68%	15.26%
Payback	7.17	7.07	6.81	6.55
Warranty on Inverters (years)	20	20	20	20
Warranty on Panels (years)	25	25	25	25

