

File Name	2Kw mono 10 geader.prg	2Kw tynd 10 grader.prg	2Kw tynd sharp 10 grader.prg
Variant Reference	System Variant	System Variant	System Variant
Project Name	Solar System Design	Solar System Design	Solar System Design
Climate Data Record	KARUP_(DAN-AFB)_1981_2000.wbv	KARUP_(DAN-AFB)_1981_2000.wbv	KARUP_(DAN-AFB)_1981_2000.wbv
***SYSTEM PARAMETERS***			
Number of Arrays	1	1	1
PV Output [kW]	2,00	2,00	2,03
Gross PV Surface Area [m²]	12,77	30,80	21,33
System Inverter	Array Inverter	Array Inverter	Array Inverter
Array1	System 1	System 1	System 1
Array Output [kW]	2,00	2,00	2,03
Array Gross Surface [m²]	12,77	30,80	21,33
PV Modules	Solia A/S AS-5M 200 W	SunGen International Limited SG-HN 100-GG	SHARP Corporation NA-F135G5
Number of Modules	10	20	15
Number of Modules in Series	10	5	5
Orientation [°]	0,0	0,0	0,0
Inclination [°]	10,0	10,0	10,0
Mount	with Ventilation	with Ventilation	with Ventilation
Inverter	Aros Sirio 2000	Aros Sirio 2000	Aros Sirio 2000
Number of Inverters	1	1	1
***SIMULATION RESULTS***			
PV Array Irradiation [ kWh]	12.882	31.127	21.597
Energy from Inverter (AC) [ kWh]	1.700	1.741	1.651
Energy to Grid [ kWh]	1.700	1.741	1.651
Consumption Requirement [ kWh]	0	0	0
Energy from Grid [ kWh]	10	10	10
Solar Fraction [ %]	0,0	0,0	0,0
System Efficiency [ %]	13,1	5,6	7,6
Performance Ratio [ %]	83,6	85,7	80,2
Specific Annual Yield [ kWh/kWp]	845	866	811
Array Efficiency [ %]	14,2	6,0	8,3
Inverter Efficiency [ %]	92,4	92,5	91,6
***ECONOMIC EFFICIENCY***			
Net Present Value [kr.]	-2.909	-2.758	-3.203
Payback Period [Years]	100	100	100
Electricity Production Costs [kr./kWh]	0,38	0,37	0,40