

NEW WORLD WIND portfolio													
REGULAR MODELS													
WIND FLOWER 3A - 900W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	3	0,96	271	0,3	0,19					
	5	1,84	196	3	0,96	564	0,6	0,40					
	6,5	1,84	338	3	0,96	973	1,0	0,68					
	8	1,84	512	3	0,96	1.475	1,5	1,03					
* Greenhouse Gas Equivalencies Calculator US EPA													
WIND BUSH 12A - 3600 W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	12	0,96	1.083	1,1	0,76					
	5	1,84	196	12	0,96	2.258	2,3	1,58					
	6,5	1,84	338	12	0,96	3.894	3,9	2,73					
	8	1,84	512	12	0,96	5.898	5,9	4,13					
* Greenhouse Gas Equivalencies Calculator US EPA													
WIND PALM 18A - 5400 W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	18	0,96	1.624	1,6	1,14					
	5	1,84	196	18	0,96	3.387	3,4	2,37					
	6,5	1,84	338	18	0,96	5.841	5,8	4,09					
	8	1,84	512	18	0,96	8.847	8,8	6,19					
* Greenhouse Gas Equivalencies Calculator US EPA													
WIND PALM 24A - 7200 W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	24	0,96	2.166	2,2	1,52					
	5	1,84	196	24	0,96	4.516	4,5	3,16					
	6,5	1,84	338	24	0,96	7.788	7,8	5,45					
	8	1,84	512	24	0,96	11.796	11,8	8,26					
* Greenhouse Gas Equivalencies Calculator US EPA													
WIND PALM 30A - 9000 W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	30	0,96	2.707	2,7	1,90					
	5	1,84	196	30	0,96	5.645	5,6	3,95					
	6,5	1,84	338	30	0,96	9.734	9,7	6,81					
	8	1,84	512	30	0,96	14.746	14,7	10,32					
* Greenhouse Gas Equivalencies Calculator US EPA													
WIND TREE 36A - 10800 W	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Total energy yield (kWh/year)	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
	3,5	1,84	94	36	0,96	3.249	3,2	2,27					
	5	1,84	196	36	0,96	6.774	6,8	4,74					
	6,5	1,84	338	36	0,96	11.681	11,7	8,18					
	8	1,84	512	36	0,96	17.695	17,7	12,39					
* Greenhouse Gas Equivalencies Calculator US EPA													
HYBRID MODELS													
Wind Flower 3A + 4 Solar Petals - 1044 W	WIND (m/s)	Factor k	energy yield per Aeroleaf	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Energy yield Total Aeroleafs (kWh/year)	Number of Solar petals	PV surface m2	energy yield per petal (2400 hours of sunshine) kWh/year	Energy yield Total petals (kWh/year)	TOTAL ENERGY YIELD WIND+SOLAR kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year
	3,5	1,84	94	3	0,96	271	4	1,2	88,8	355,2	626	0,6	0,44
	5	1,84	196	3	0,96	564	4	1,2	88,8	355,2	920	0,9	0,64
	6,5	1,84	338	3	0,96	973	4	1,2	88,8	355,2	1.329	1,3	0,93
	8	1,84	512	3	0,96	1.475	4	1,2	88,8	355,2	1.830	1,8	1,28
* Greenhouse Gas Equivalencies Calculator US EPA													
Wind Bush 12A + 16 Solar Petals - 4200 W	WIND (m/s)	Factor k	energy yield per Aeroleaf	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Energy yield Total Aeroleafs (kWh/year)	Number of Solar petals	PV surface m2	energy yield per petal (2400 hours of sunshine) kWh/year	Energy yield Total petals (kWh/year)	TOTAL ENERGY YIELD WIND+SOLAR kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year
	3,5	1,84	94	12	0,96	1.083	16	4,8	88,8	1420,8	2.504	2,5	1,75

	5	1,84	196	12	0,96	2.258	16	4,8	88,8	1420,8	3.679	3,7	2,58
	6,5	1,84	338	12	0,96	3.894	16	4,8	88,8	1420,8	5.315	5,3	3,72
	8	1,84	512	12	0,96	5.898	16	4,8	88,8	1420,8	7.319	7,3	5,12
* Greenhouse Gas Equivalencies Calculator US EPA													
Wind Palm 18A + 12 Solar petals - 5830 W	WIND (m/s)	Factor k	energy yield per Aeroleaf	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Energy yield Total Aeroleafs (kWh/year)	Number of Solar petals	PV surface m2	energy yield per petal (2400 hours of sunshine) kWh/year	Energy yield Total petals (kWh/year)	TOTAL ENERGY YIELD WIND+SOLAR kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year
	3,5	1,84	94	18	0,96	1.624	12	3,6	88,8	1065,6	2.690	2,7	1,88
	5	1,84	196	18	0,96	3.387	12	3,6	88,8	1065,6	4.452	4,5	3,12
	6,5	1,84	338	18	0,96	5.841	12	3,6	88,8	1065,6	6.906	6,9	4,83
	8	1,84	512	18	0,96	8.847	12	3,6	88,8	1065,6	9.913	9,9	6,94
* Greenhouse Gas Equivalencies Calculator US EPA													
Wind Palm 24A + 16 Solar petals 7770 W	WIND (m/s)	Factor k	energy yield per Aeroleaf	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Energy yield Total Aeroleafs (kWh/year)	Number of Solar petals	PV surface m2	energy yield per petal (2400 hours of sunshine) kWh/year	Energy yield Total petals (kWh/year)	TOTAL ENERGY YIELD WIND+SOLAR kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year
	3,5	1,84	94	24	0,96	2.166	16	4,8	88,8	1420,8	3.587	3,6	2,51
	5	1,84	196	24	0,96	4.516	16	4,8	88,8	1420,8	5.937	5,9	4,16
	6,5	1,84	338	24	0,96	7.788	16	4,8	88,8	1420,8	9.208	9,2	6,45
	8	1,84	512	24	0,96	11.796	16	4,8	88,8	1420,8	13.217	13,2	9,25
* Greenhouse Gas Equivalencies Calculator US EPA													
Wind Palm 30A + 20 Solar petals 9740 W	WIND (m/s)	Factor k	energy yield per Aeroleaf	Number of Aeroleaf	INTERACTIONS (aeroleaves + branches)	Energy yield Total Aeroleafs (kWh/year)	Number of Solar petals	PV surface m2	energy yield per petal (2400 hours of sunshine) kWh/year	Energy yield Total petals (kWh/year)	TOTAL ENERGY YIELD WIND+SOLAR kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year
	3,5	1,84	94	30	0,96	2.707	20	6	88,8	1776,0	4.483	4,5	3,14
	5	1,84	196	30	0,96	5.645	20	6	88,8	1776,0	7.421	7,4	5,19
	6,5	1,84	338	30	0,96	9.734	20	6	88,8	1776,0	11.510	11,5	8,06
	8	1,84	512	30	0,96	14.746	20	6	88,8	1776,0	16.522	16,5	11,57
* Greenhouse Gas Equivalencies Calculator US EPA													
AEROLEAF													
ENERGY YIELD PER AEROLEAF													
	WIND (m/s)	Factor k	Co2 Reduced (Metric Tons per year)	ENERGY YIELD per AEROLEAF kWh/year	CARBON FOOTPRINT REDUCTION* tons/year								
	3,5	1,84	0,07	94	0,07								
	5	1,84	0,14	196	0,14								
	6,5	1,84	0,24	338	0,24								
	8	1,84	0,36	512	0,36								
	10	2,00	0,53	754	0,53								
	12	2,00	0,71	1.015	0,71								
* Greenhouse Gas Equivalencies Calculator US EPA													
ENERGY YIELD PER HYBRID AEROLEAF													
	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Solar petal surface m2	energy yield per solar petal (kWh/year)	TOTAL ENERGY YIELD per HYBRID AEROLEAF	CARBON FOOTPRINT REDUCTION*						
	3,5	1,84	94	0,285	88,8	183	0,13						
	5	1,84	196	0,285	88,8	285	0,20						
	6,5	1,84	338	0,285	88,8	427	0,30						
	8	1,84	512	0,285	88,8	601	0,42						
	10	2,00	754	0,285	88,8	843	0,59						
	12	2,00	1.015	0,285	88,8	1.104	0,77						
* Greenhouse Gas Equivalencies Calculator US EPA													
ENERGY YIELD example with 100 AEROLEAF on roof													
Roof height	WIND (m/s)	Factor k	energy yield per Aeroleaf (kWh/year)	Number of Aeroleaf	INTERACTION Aeroleafs	Total Energy yield with 100 Aeroleafs kWh/year	MWh/year	CARBON FOOTPRINT REDUCTION* tons/year					
12m-20m	8	1,92	503	100	0,96	48.288	48,3	33,80					
20m-30m	10	2,00	754	100	0,96	72.384	72,4	50,67					
>30m	12	2,00	1.015	100	0,96	97.440	97,4	68,21					
* Greenhouse Gas Equivalencies Calculator US EPA													