

## Residential Solar PV Systems Guide

Household Monthly Electricity spend	R 500.00	R 1,000.00	R 1,500.00	R 2,500.00	R 4,000.00
Usage No of units (kWh) pm estimate	259	518	746	1173	1815
System Size kWp Panels	1.8	2.8	3.7	5.7	6.6
Inverter	5kAa	2x 5kVa	2x 5kVa	2x 5kVa	3-Ph 6.9kVa
Lithium Ion Battery	3.6kWh	3.6kWh	2x 3.6kWh	2x 3.6kWh	No
Feed-In	No	No	No	No	Yes
Total Cost VAT incl (incl Installation)	R 87,000.00	R 115,000.00	R 163,000.00	R 187,000.00	R 143,000.00
R/Watt	48.33	41.07	44.05	32.81	21.67
Monthly Production kWh estimate	246	383	506	780	903
100% Self-consumption					
<b>SAVINGS</b> per month Estimate	<b>R 474.78</b>	<b>R 739.19</b>	<b>R 1,184.04</b>	<b>R 1,825.20</b>	<b>R 2,113.02</b>
Payback	8-10 years	7-9 years	6-8 years	4-6 years	3-5 years
Off-Grid UPS/Loadshedding Back-up	Yes	Yes	Yes	Yes	No