

8KW INVERTER OFFGRID								
Items	Specifications	Brand	Country of Origin	Unit	Qty	Warranty Period	Rate	Amount
Solar panels	400W 24V monocrystalline panel			PCS	36			
Solar rails	Aluminium rails with accessories			Sets	10			
Solar combiner box	4way combiner box 125A			PCS	3			
Solar MC4 connectors	Double connectors			Sets	18			
Solar MC4 connectors	Single			Sets	24			
Car park for solar structure	14m by 8m by 2.8m steel car port			Sets	1			
Charge controller	100A/250V MPPT			PCS	3			
Inverter	8KW/48V Pure sine wave 230V/50Hz			PCS	1			
System control panel	Specification for inverter			PCS	1			
AC & DC Distribution panel	Specification for inverter			PCS	1			
Battery	12V/220AH sealed-lead acid with accessories			PCS	12			
Battery rack	Gavalnized iron stand			PCS	1			
Battery disconnects	DC disconnect 160A-200A			PCS	1			
In/Output breaker	63A 2pole breaker			PCS	2			
Surge protector	AC surge protector single phase			PCS	1			
PVC box	10way box			PCS	1			
Changeover switch	63A Changeover switch			PCS	1			
Distribution board	10 blocks DB			PCS	1			
Solar connection cable	6mm 2core flexible cable			meters	200			
Combiner to charge controller cable	16mm flexible cable			meters	60			
Charge controller to battery cable	35mm flexible cable			meters	60			

Battery to inverter cable	50mm flexible cable			meters	20			
Busbar collector	400A busbar with conduit box			meters	1			
Inverter to changeover and DB cable	16mm flexible cable			meters	100			
Trunking/conduiting	25mm-100mm			LOT	5			
Earth rod	3 fits 100% coper			PCS	2			
Earth cable	4mm single core			meters	100			
Earthing accessories	Mat/Salt			PCS	2			
<b>MATERIAL COST ESTIMATE</b>								
<b>INSTALLATION COST</b>								
<b>TOTAL PROJECT COST</b>								