

10KW INVERTER OFFGRID								
Items	Specifications	Brand	Country of Origin	Unit	Qty	Warranty Period	Rate	Amount
Solar panels	400W 24V monocrystalline panel			PCS	60			
Solar rails	Aluminium rails with angle accessories( roof is flat concrete roof)			Sets	16			
Solar combiner box	4way combiner box 125A			PCS	5			
Solar MC4 connectors	Double connectors			Sets	20			
Solar MC4 connectors	Single			Sets	34			
Charge controller	100A/400V MPPT			PCS	5			
Inverter	5KVA/48V Pure sine wave 230V/50Hz			PCS	2			
System control panel	Specification for inverter			PCS	1			
Combox	Specification for inverter			PCS	1			
AC & DC Distribution panel	Specification for inverter			PCS	1			
Battery	2V/1000AH sealed-lead acid with accessories			PCS	24			
Battery rack	Gavalnized iron stand			PCS	1			
Battery disconnects	DC disconnect 160A-200A			PCS	2			
In/Output breaker	63A 2pole breaker			PCS	4			
Surge protector	AC surge protector single phase			PCS	2			
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	50			
Charge controller to battery cable	35mm flexible cable			meters	50			
Battery to inverter cable	50mm flexible cable			meters	30			
Busbar collector	400A busbar with conduit box			meters	1			

Inverter to changeover and DB cable	16mm flexible cable			meters	150			
Trunking/conduiting	25mm-100mm			LOT	10			
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>								