

Comparison between N-CEAP Inverter Systems and Generators

Comparative Analysis between 3.75KVA Generator and NCEAP 3kW Inverter Systems

Description	Generator	Standard system	Premium system	Note
Petrol Generator Cost	69,300.00	-	-	-
Inverter System	-	384,000.00	518,000.00	Inverters will last in excess of 3 years
Cost of Petrol (NGN)	97.00	-	-	-
Hourly Petrol	-	-	-	-
Consumption (liters)	1.88	-	-	-
Daily Petrol Cost (NGN)	1,455.00	-	-	-
Yearly Petrol Costs (NGN)	424,860.00	-	-	-
Engine Oil	18,000.00	-	-	-
Maintenance	27,000.00	-	-	-
Cost of Self Generation	539,160.00	-	-	This is exclusive of spares for generator
1st Year	539,160.00	-	-	We have assumed that the generator is not replaced in the first 3 years. However it is known that the lifespan of this petrol generator rarely exceeds 2 years when used in this way.
2nd Year	469,860.00	-	-	
3rd Year	469,860.00	-	-	
	1,548,180.00	384,000.00	518,000.00	

Comparative Analysis between 6.25KVA Generator and NCEAP 5kW Inverter Systems

Description	Generator	Standard system	Premium system	Note
Petrol Generator Cost	110,000.00	-	-	-
Inverter System	-	600,000.00	832,000.00	Inverters will last in excess of 3 years
Cost of Petrol (NGN)	97.00	-	-	-
Hourly Petrol	-	-	-	-
Consumption (liters)	1.88	-	-	-
Daily Petrol Cost (NGN)	1,940.00	-	-	-
Yearly Petrol Costs (NGN)	566,480.00	-	-	-
Engine Oil	15,000.00	-	-	-
Maintenance	19,800.00	-	-	-
Cost of Self Generation	711,280.00	-	-	This is exclusive of spares for generator
1st Year	711,280.00	-	-	We have assumed that the generator is not replaced in the first 3 years. However it is known that the lifespan of this petrol generator rarely exceeds 2 years when used in this way.
2nd Year	601,280.00	-	-	
3rd Year	601,280.00	-	-	
	1,548,180.00	600,000.00	832,000.00	