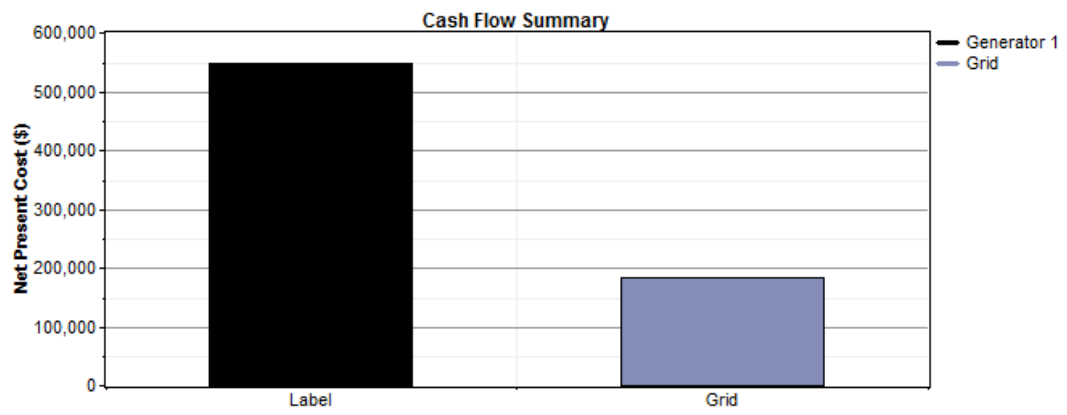


SPESIFIKASI GENERATOR

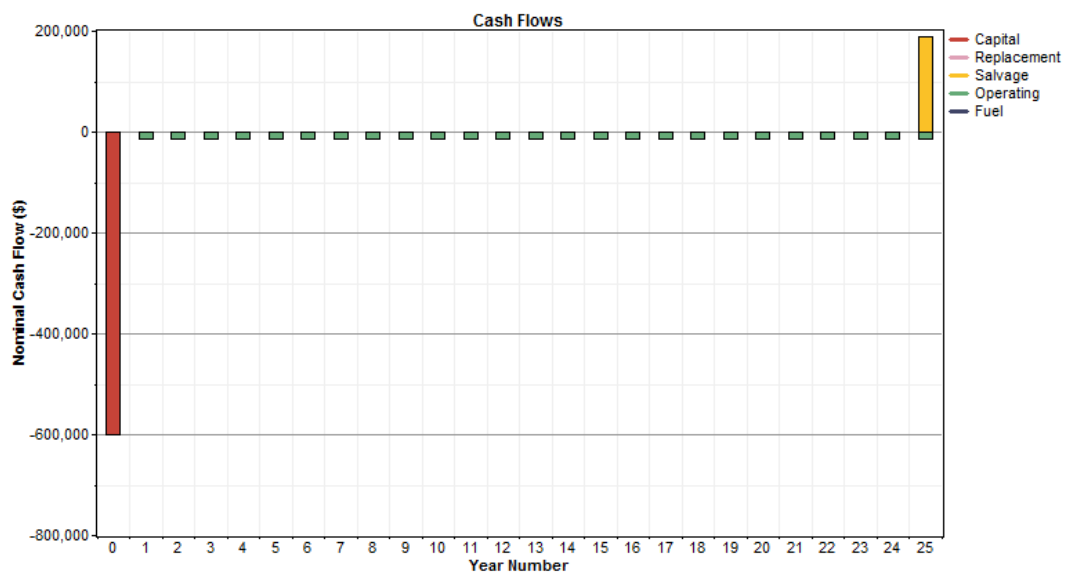
Merk	SHINKO ELECTRIC
Type	ESD3
No	0141
Kapasitas	2.000 kW
	2.500 kVA
Cos ϕ	0,8



CASH FLOW COMPONENT



CASH FLOW COST TYPE



GRID

Month	Energy	Energy	Net	Peak	Energy	Demand
	Purchased	Sold	Purchases	Demand	Charge	Charge
	(kWh)	(kWh)	(kWh)	(kW)	(\$)	(\$)
Jan	28,582	0	28,582	71	2,235	0
Feb	25,816	0	25,816	71	2,019	0
Mar	28,582	0	28,582	71	2,235	0
Apr	27,660	0	27,660	71	2,163	0
May	28,582	0	28,582	71	2,235	0
Jun	0	0	0	0	0	0
Jul	0	0	0	0	0	0
Aug	0	0	0	0	0	0
Sep	0	0	0	0	0	0
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	28,582	0	28,582	71	2,235	0
Annual	167,804	0	167,804	71	13,120	0

EMISI

Pollutant	Emissions (kg/yr)
Carbon dioxide	109,778
Carbon monoxide	140
Unburned hydrocarbons	15.5
Particulate matter	10.6
Sulfur dioxide	460
Nitrogen oxides	1,474

NOMINAL CASH FLOW DETAIL

Component	Category	Tahun					
		0	1	2	3	4	5
Generator 1	Capital	-600	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-220	-220	-220	-220	-220
	Fuel	0	0	0	0	0	0
	Total	-600	-220	-220	-220	-220	-220
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-13,12	-13,12	-13,12	-13,12	-13,12
	Fuel	0	0	0	0	0	0
	Total	0	-13,12	-13,12	-13,12	-13,12	-13,12
Entire system	Capital	-600	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-13,34	-13,34	-13,34	-13,34	-13,34
	Fuel	0	0	0	0	0	0
	Total	-600	-13,34	-13,34	-13,34	-13,34	-13,34
		1.000	0.952	0.907	0.864	0.823	0.784
Generator 1	Capital	-600	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-209	-199	-190	-181	-172
	Fuel	0	0	0	0	0	0
	Total	-600	-209	-199	-190	-181	-172
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-12,496	-11,901	-11,334	-10,794	-10,28
	Fuel	0	0	0	0	0	0
	Total	0	-12,496	-11,901	-11,334	-10,794	-10,28
Entire system	Capital	-600	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	0	-12,705	-12,1	-11,524	-10,975	-10,452
	Fuel	0	0	0	0	0	0
	Total	-600	-12,705	-12,1	-11,524	-10,975	-10,452

Lanjutan

Component	Category	Tahun					
		6	7	8	9	10	11
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-220	-220	-220	-220	-220	-220
	Fuel	0	0	0	0	0	0
	Total	-220	-220	-220	-220	-220	-220
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
	Fuel	0	0	0	0	0	0
	Total	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
	Fuel	0	0	0	0	0	0
	Total	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
		0.746	0.711	0.677	0.645	0.614	0.585
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-164	-156	-149	-142	-135	-128
	Fuel	0	0	0	0	0	0
	Total	-164	-156	-149	-142	-135	-128
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-9,791	-9,324	-8,88	-8,458	-8,055	-7,671
	Fuel	0	0	0	0	0	0
	Total	-9,791	-9,324	-8,88	-8,458	-8,055	-7,671
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-9,955	-9,481	-9,029	-8,599	-8,19	-7,8
	Fuel	0	0	0	0	0	0
	Total	-9,955	-9,481	-9,029	-8,599	-8,19	-7,8

Lanjutan

Component	Category	Tahun					
		12	13	14	15	16	17
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-220	-220	-220	-220	-220	-220
	Fuel	0	0	0	0	0	0
	Total	-220	-220	-220	-220	-220	-220
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
	Fuel	0	0	0	0	0	0
	Total	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
	Fuel	0	0	0	0	0	0
	Total	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
		0.557	0.530	0.505	0.481	0.458	0.436
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-122	-116	-111	-106	-101	-96
	Fuel	0	0	0	0	0	0
	Total	-122	-116	-111	-106	-101	-96
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-7,306	-6,958	-6,627	-6,311	-6,011	-5,724
	Fuel	0	0	0	0	0	0
	Total	-7,306	-6,958	-6,627	-6,311	-6,011	-5,724
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-7,428	-7,074	-6,738	-6,417	-6,111	-5,82
	Fuel	0	0	0	0	0	0
	Total	-7,428	-7,074	-6,738	-6,417	-6,111	-5,82

Lanjutan

Component	Category	Tahun					
		18	19	20	21	22	23
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-220	-220	-220	-220	-220	-220
	Fuel	0	0	0	0	0	0
	Total	-220	-220	-220	-220	-220	-220
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
	Fuel	0	0	0	0	0	0
	Total	-13,12	-13,12	-13,12	-13,12	-13,12	-13,12
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
	Fuel	0	0	0	0	0	0
	Total	-13,34	-13,34	-13,34	-13,34	-13,34	-13,34
		0.416	0.396	0.377	0.359	0.342	0.326
Generator 1	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-91	-87	-83	-79	-75	-71
	Fuel	0	0	0	0	0	0
	Total	-91	-87	-83	-79	-75	-71
Grid	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-5,452	-5,192	-4,945	-4,709	-4,485	-4,272
	Fuel	0	0	0	0	0	0
	Total	-5,452	-5,192	-4,945	-4,709	-4,485	-4,272
Entire system	Capital	0	0	0	0	0	0
	Replacement	0	0	0	0	0	0
	Salvage	0	0	0	0	0	0
	Operating	-5,543	-5,279	-5,028	-4,788	-4,56	-4,343
	Fuel	0	0	0	0	0	0
	Total	-5,543	-5,279	-5,028	-4,788	-4,56	-4,343

Lanjutan

Component	Category	Tahun 24	Tahun 25	Total
Generator 1	Capital	0	0	-600
	Replacement	0	0	0
	Salvage	0	189,404	189,404
	Operating	-220	-220	-5,49
	Fuel	0	0	0
	Total	-220	189,184	- 416,087
Grid	Capital	0	0	0
	Replacement	0	0	0
	Salvage	0	0	0
	Operating	-13,12	-13,12	-328,01
	Fuel	0	0	0
	Total	-13,12	-13,12	-328,01
Entire system	Capital	0	0	-600
	Replacement	0	0	0
	Salvage	0	189,404	189,404
	Operating	-13,34	-13,34	-333,5
	Fuel	0	0	0
	Total	-13,34	176,064	- 744,096
		0.310	0.295	-
Generator 1	Capital	0	0	-600
	Replacement	0	0	0
	Salvage	0	55,932	55,932
	Operating	-68	-65	-3,095
	Fuel	0	0	0
	Total	-68	55,867	- 547,164
Grid	Capital	0	0	0
	Replacement	0	0	0
	Salvage	0	0	0
	Operating	-4,068	-3,874	- 184,919
	Fuel	0	0	0
	Total	-4,068	-3,874	- 184,919
Entire system	Capital	0	0	-600
	Replacement	0	0	0
	Salvage	0	55,932	55,932
	Operating	-4,136	-3,939	- 188,014
	Fuel	0	0	0
	Total	-4,136	51,992	- 732,082