



TESLA ECO SOLUTIONS

OVERVIEW BERT MOBILE BIOMASS INPUT - OUTPUT EXAMPLES

ALL DATA DEPENDING ON THE BIOMASS' QUALITY



	BM 60-15	BM 120-30	BM 180-45	BM 240-60
COW SLURRY, 10% DM ; 84% ODM, TONS/24 HOURS	4	8	12	16
Biogas (m ³ /24 hours)	120	240	360	480
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	8	16	24	32
Thermic energy (kW/year)	68.800	137.600	206.400	275.200
kW/h electrical output	12	24	36	48
Electricity (kW/year)	103.200	206.400	309.600	412.800
PIG SLURRY 12% DM ; 86% ODM, TONS/24 HOURS	3	6	9	12
Biogas (m ³ /24 hours)	136	272	408	544
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	14	28	42	56
Thermic energy (kW/year)	120.400	240.800	361.200	481.600
kW/h electrical output	13	26	39	52
Electricity (kW/year)	113.874	227.748	341.622	455.496
FOOD WASTE TONS/24 HOURS	3	6	9	12
Biogas (m ³ /24 hours)	240	480	720	960
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	10	20	30	40
Thermic energy (kW/year)	86.000	172.000	258.000	344.000
kW/h electrical output	15	30	45	60
Electricity (kW/year)	129.000	258.000	387.000	516.000
CHICKEN MANURE 40% DM; 75% ODM, TONS/24 HOURS	1	2	3	4
Biogas (m ³ /24 hours)	150	300	450	600
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	9	18	27	36
Thermic energy (kW/year)	77.400	154.800	232.200	309.600
kW/h electrical output	14	28	42	56
Electricity (kW/year)	120.400	240.800	361.200	481.600
VEGETABLE WASTE, TONS/24 HOURS	3	6	9	12
Biogas (m ³ /24 hours)	160	320	480	640
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	9	18	27	36
Thermic energy (kW/year)	77.400	154.800	232.200	309.600
kW/h electrical output	15	30	45	60
Electricity (kW/year)	129.000	258.000	387.000	516.000
HUMAN SLUDGE, TONS/24 HOURS	3	6	9	12
Biogas (m ³ /24 hours)	270	540	810	1.080
Operating hours/year	8.600	8.600	8.600	8.600
kW/h thermic energy output (depending on climate zone)	8	16	24	32
Thermic energy (kW/year)	66.220	137.600	206.400	275.200
kW/h electrical output	11	22	33	44
Electricity (kW/year)	94.600	189.200	283.800	378.400