



INFINITE ENERGY (P) Ltd



An ISO 9001 Certified Company & Products CE Compliant Universal Gasifiers Models (UG Series)

Gasifier Model		UG 300	UG 400	UG 600	UG 700	UG 800	UG 900
Gasifier Output #	KWe	70 -120	180-250	315-505	450 -715	825 -1000	UNDER DEVELOPMENT
Rated Thermal O/P^	Kcal/hr	365,000	600,000	1,200,000	1,800,000	2,400,000	
Biomass consumption (Max) ##	Kg/h	150	325	650	900	1300	
Gas Produced (Max)	nm3/h	375	800	1600	2250	3250	
Parasitic Load *	HP	13.75	23.50	35.50	52.50	67.50	
Actual Consumption****	kW	6.5	12.0	22.5	33.50	42.9	
Gas Cleaning System	Dry Dust Collection only (Cyclonic & Packed Bed Filter) & Fabric Filter						
Gas Temperature (oC) / Cooling System	Less than ambient / Non Contact Type cooler						
Feeding system	Automated feeding system						



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- # Indicative , depends upon design, specification, & make of Engine/Gen Set,
- ## Biomass consumption is based on Fuel Size < 3mm, & moisture content < 12% moisture ,(Fuel : Powdery Biomass like saw dust , bamboo dusk , rice husk (grinded), wheat husk etc)
- ### Flash Type (Size 6-12mm,max,Flash/Pneumatic type) Input Moisture Content 45 % max, O/p Moisture : < 15% with Cooling Bin , with high low level sensor, Live Bottom.
- #### Rotary type (Optional) if biomass size is > 15 mm , & input moisture of Biomass is > 50 % , , with Cooling Bin, high low level sensor, Live Bottom
- ##### Grinder (Size Reduction Mill) - of appropriate capacity ,Input Size 6-12 mm, O/p size 2-3 mm, & Holding Bin (Live Bottom) with suitable capacity
- * Only Gasification Unit connected load , Biomass Dryer, Grinder & others connected is not included
- ^ On Cold Gas

Packaging & Forwarding will be charged extra @ 3% (up to ICD, TKD, N. Delhi)

Erection & Commissioning will be charged extra @ 5%

Gas Gen Set cost extra