

Bright solutions **rising**
over your projects...



Lighting Towers

 **TEKSAN**

Since 1994

Practical, efficient and affordable...

LIGHTING TOWERS

Lighting Towers, which are ideal for enlightening of construction sites, concrete works, road-bridge production works and outdoor organizations that are in open area and their usage places replace frequently, can also be produced with private sound level in accordance with customer requests.

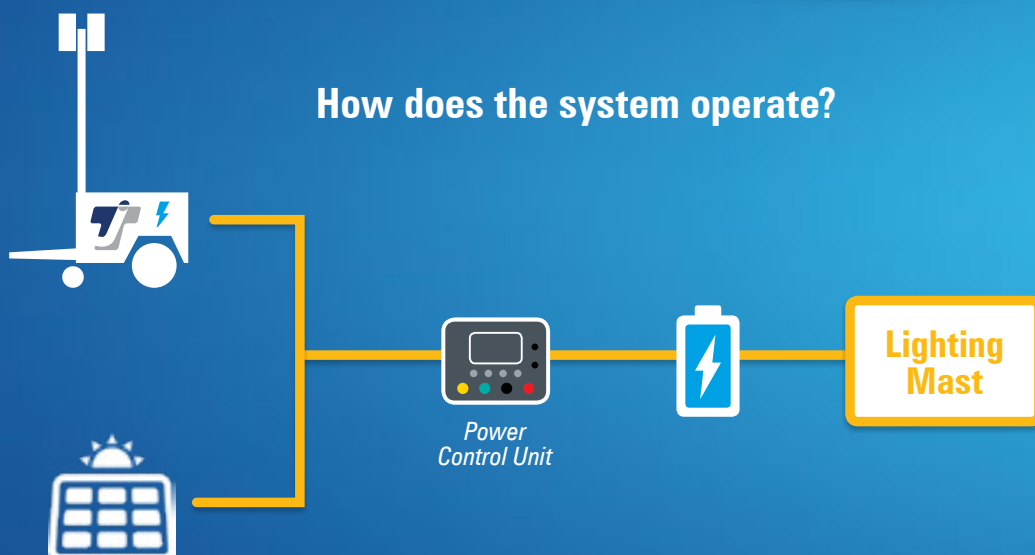
General Specifications

- Excellent fuel economy providing longer hours of run time per fuel tank.
- Maintenance-friendly electrical assemblies make troubleshooting, service and repair user friendly.
- Compact design allows up increased number of units per truck/container load.
- Auxiliary power sockets.



HYBRID LIGHTING TOWERS

Teksan Hybrid Lighting Tower is an eco-friendly system which delivers significant savings for your projects that require mobility.



TECHNICAL SPECIFICATIONS

50 Hz Lighting Towers

Mast Type	Electrical			Mechanical		
GENSET MODEL	TJ10PE5A-LE	TJ14PE5A-LE	TJ22PE5A-LE	TJ10PE5A-LM	TJ14PE5A-LM	TJ22PE5A-LM
ENGINE BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
ALTERNATOR BRAND	Marelli	Marelli	Marelli	Marelli	Marelli	Marelli
ENGINE MODEL	403A-11G	403A-15G	404A-22G	403A-11G	403A-15G	404A-22G
ALTERNATOR MODEL	MJB160XA4	MJB160XA4	MJB160SB4	MJB160XA4	MJB160XA4	MJB160SB4
Cooling System	Water	Water	Water	Water	Water	Water
Speed / Frequency	1500 rpm / 50Hz	1500 rpm / 50Hz	1500 rpm / 50Hz	1500 rpm / 50Hz	1500 rpm / 50Hz	1500 rpm / 50Hz
Engine Gross Power (kWm)	9,5	13,5	20,6	9,5	13,5	20,6
Fuel Consumption (lt/h)	2,6 (100% load)	3,7 (100% load)	5,4 (100% load)	2,6 (100% load)	3,7 (100% load)	5,4 (100% load)
Number of Phases	3	3	3	3	3	3
Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
Protection Level	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Voltage Output (VAC)	230/400	230/400	230/400	230/400	230/400	230/400
Lighting Type	Projector/LED	Projector/LED	Projector/LED	Projector/LED	Projector/LED	Projector/LED
Lighting Power	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)
Mast Height (m)	6	6	6	8.5	8.5	8.5
Mast Position Controls (Up-Down)	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Projector Position Controls (Left-Right)	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Safety Mast Control	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Plugs	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A
Working Mode Dimensions-mm	3312x2785x6000	3312x2785x6000	3312x2785x6000	3310x2785x8500	3310x2785x8500	3310x2785x8500
Transportation Mode Dimensions-mm	3312x1738x2640	3312x1738x2640	3312x1738x2640	4780x1500x1925	4780x1500x1925	4780x1500x1925
Weight (Kg)	1135	1135	1200	1105	1105	1170
Fuel Tank Capacity (lt)	35	35	35	35	35	35

60 Hz Lighting Towers

Mast Type	Electrical			Mechanical		
GENSET MODEL	TJ12PE6A-LE	TJ17PE6A-LE	TJ26PE6A-LE	TJ12PE6A-LM	TJ17PE6A-LM	TJ26PE6A-LM
ENGINE BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
ALTERNATOR BRAND	Marelli	Marelli	Marelli	Marelli	Marelli	Marelli
ENGINE MODEL	403D-11G	403A-15G	404D-22G	403D-11G	403A-15G	404D-22G
ALTERNATOR MODEL	MJB160XA4	MJB160SA4	MJB160SC4	MJB160XA4	MJB160SA4	MJB160SC4
Cooling System	Water	Water	Water	Water	Water	Water
Speed / Frequency	1800 rpm / 60Hz	1800 rpm / 60Hz	1800 rpm / 60Hz	1800 rpm / 60Hz	1800 rpm / 60Hz	1800 rpm / 60Hz
Engine Gross Power (kWm)	11,8	16,2	24,3	11,8	16,2	24,3
Fuel Consumption (lt/h)	3 (100% load)	4,3 (100% load)	6,2 (100% load)	3 (100% load)	4,3 (100% load)	6,2 (100% load)
Number of Phases	3	3	3	3	3	3
Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
Protection Level	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Voltage Output (VAC)	277/480	277/480	277/480	277/480	277/480	277/480
Lighting Type	Projector/LED	Projector/LED	Projector/LED	Projector/LED	Projector/LED	Projector/LED
Lighting Power	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)	4 x 80.000 Lm (Projector) 4 x 14490 Lm (LED)
Mast Height (m)	6	6	6	8.5	8.5	8.5
Mast Position Controls (Up-Down)	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Projector Position Controls (Left-Right)	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Safety Mast Control	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical
Plugs	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A	1 pc 3X16A 2 pcs 1X16A
Working Mode Dimensions-mm	3312x2785x6000	3312x2785x6000	3312x2785x6000	3310x2785x8500	3310x2785x8500	3310x2785x8500
Transportation Mode Dimensions-mm	3312x1738x2640	3312x1738x2640	3312x1738x2640	4780x1500x1925	4780x1500x1925	4780x1500x1925
Weight (Kg)	1135	1145	1245	1105	1115	1215
Fuel Tank Capacity (lt)	35	35	35	35	35	35

■ Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC600341, BS4999-5000, VDE0530 standards.

■ Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.

■ All information given in this leaflet is intended for general purposes only.

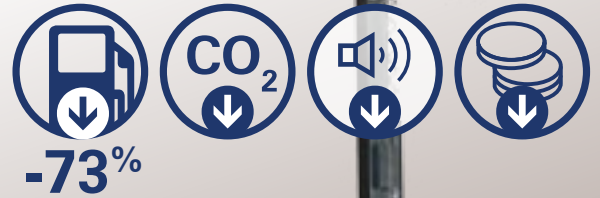
■ Due to a policy of continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

HYBRID LIGHTING TOWERS



Teksan Hybrid Lighting Tower is an eco-friendly and cost efficient mobile enlightenment system. Thanks to its hybrid power technology, engine operation time is 83% lower than that

of standard diesel lighting towers. Thus, it consumes less fuel up to 73% and radiates lower CO₂ and noise emissions. It also needs lower maintenance time up to 86%. Therefore, it is not only an eco-friendly solution for the nature, but also a cost-effective solution that delivers significant savings in OPEX and fuel costs.



Hybrid Lighting Towers

	Specifications	TEKSAN
Lamp Specifications	Lighting Type	LED
	No. Of Lamps	4 x 215W
	Luminous Flux (lumens)	90300
Mast Specifications	Mast Height	9m
	Mast lifting System	Manual
	Mast Rotation	Manual
Gen-Set Specifications	Engine	Perkins 403A-11G
	Speed	1500 rpm
	Alternator	Sincro FB 4-48/200
	Output Voltage	48VDC
	GenSet Output Power	7,2 kW
	Fuel Tank	35 Liters
	Noise Rating	
Battery Specifications	Battery Type	LiFePO4
	Capacity	100Ah
	Operating Time	5 hours
	Recharging Time	1 hour
	Battery Life	3 years
Trailer Specifications	Certified Wind Stability	
	Open Dimensions-mm	3523,5x1500x9000
	Closed Dimensions-mm	4865x1500x1830
	Dry Weight	1200 kg
Performance Ratings	Max. Output Load Power (AC)	3 kW
	Saving in Fuel Consumption	73%
	Fuel Consumption per Day	4 Liters
	Fuel Transfer Time	8 days
	Reduction in Engine Operation Time	83%
	GenSet Running Time per Day	1,7 hours
	GenSet Maintenance Period	294 days
	Reduction in GenSet Maintenance Time	86%



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Lighting Towers Application Areas



Construction Projects



Events



Mining



Disaster Relief



TEKSAN

EVERLASTING COMPANY



In more than 120 countries



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