

HYBRIDBOX

TecnoGen
POWER GENERATORS

48V DC

LED HYBRID LIGHTING TOWERS



HYBRIDBOX

48V DC - VARIABLE SPEED ENGINE



LOW LOW VOLTAGE (48V DC)
FOR MORE SAFETY



460/1000/1200 W TOTAL



LITHIUM BATTERIES 



LONG RUNNING TIME WITH BATTERY ONLY



UP TO **9m** MAST HEIGHT



LONG LIFE LEDS



ZERO NOISE*



REMOTE MONITORING (OPTION)



PERMANENT MAGNET TECHNOLOGY



VARIABLE SPEED **SYSTEM VS** FOR BETTER PERFORMANCES

STANDARD EQUIPMENT

- Lower CO₂
- Lower fuel consumption
- No acoustic pollution*
- Suitable for indoor use*
- Long engine maintenance intervals
- High fuel autonomy
- Instant light
- Low low voltage (48 V) for improved safety
- Vegetable biodegradable hydraulic oil
- Performance optimized with Variable Speed System

*in battery mode



MADE IN ITALY

www.tecnogen.com



HL SERIES - LED HYBRID SOLUTIONS HB -VS

MODEL	NUMBER OF HEADS	W PER LAMP	TOTAL W	CURRENT VOLTAGE V	ENGINE TECHNICAL DATA								TANK L	DIMENSIONS cm			MAXIMUM SIZE cm			WEIGHT kg	STANDARD PANEL
					Output power (kW/m)	Governor	r.p.m.		System VS	cm ³	fuel consumption* (l/h)	Aspiration			L	W	H	L	W		
HYBRID BOX																					
HB 9404 YM-VS	4	115 W	460 W	48V DC	6,0 @2000 rpm	E	variable	YANMAR 2TNV70		570	0,14	N	150	130	110	243	223	180	900	990	AUS 6110
HB 9404 YM-VS	4	250 W	1000 W	48V DC	6,0 @2000 rpm	E	variable	YANMAR 2TNV70		570	0,15	N	150	130	110	243	223	180	900	995	AUS 6110
HB 9404 YM-VS	4	300 W	1200 W	48V DC	6,0 @2000 rpm	E	variable	YANMAR 2TNV70		570	0,31	N	150	130	110	243	223	180	900	1000	AUS 6110

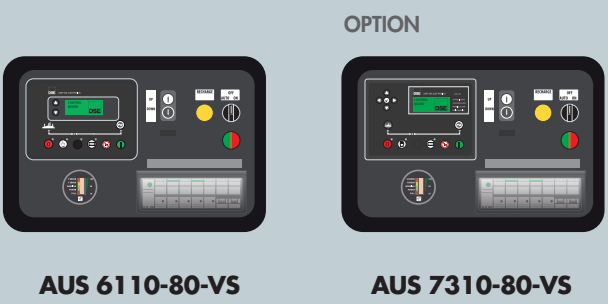
* Consumption figures are in litres per hour of light with an average use of 10 hours a day of the lighting towers

STANDARD EQUIPMENT

- **4 X 115W** LED PROJECTORS (TOTAL POWER 460W)
OR **4 X 250W** LED PROJECTORS (TOTAL POWER 1000W)
OR **4 X 300W** LED PROJECTORS (TOTAL POWER 1200W)
- GALVANISED STEEL HYDRAULIC MAST
- DEPLOYMENT TIME: 15 SECONDS
- MAST EXTENDIBLE UP TO 9m
- 350° MAST ROTATION WITH BRAKE
- GALVANISED STEEL SOUNDPROOFING CANOPY
- LIQUIDS BUNDING
- OIL EXTRACTION PUMP
- 4 ADJUSTABLE STABILIZERS
- 2 BATTERY ISOLATORS SWITCHES
- REMOTE MONITORING (AVAILABLE AS OPTION)
- NOISE LEVEL: 63 dB(A) @ 7m
- **UP TO 20** LIGHTING TOWERS LOADABLE ON A EU TRUCK

LITHIUM BATTERY	Unit	BATTERY OPTION
Battery voltage	V DC	48V DC
Model		PJ048 - 111 RK1
Brand		archimede energia
Manufacturing Country		Italy
Lithium cell chemistry		LiNMC
Quantity	n	1
Nominal capacity	Ah	111
Nominal energy	kWh	5,3
Weight	kg	58
Charging time with floodlights on	time	2 h : 30 min with total power 460 W
		3 h : 00 min with total power 1000 W
		3 h : 30 min with total power 1200 W
Roundtrip efficiency	%	>98
Life cycle		>5000 cycles - @ 80% DOD

CONTROL PANELS



MADE IN ITALY