

DESCRIPTION

PB 30 is a zero noise generator capable to give 30 kWe to power various loads, from hotel services to propulsion. It is constituted from a Methanol fuel cell that recharge a LiFePo4 battery pack up to 30kWh of capacity. The fuel cell can be powered with methanol tank up to 120 liters. A special inverter DC/AC gives single phase or three phase electric energy, based on configuration. PB30 can be recharged also from solar panel or, on emergency, from shore connections, or from usual generator. There is also the possibility of remote control of both fuel cell and inverter.

TECHNICAL SPECIFICATIONS	METHANOL FUEL CELL		INVERTER
Nominal power:	500 W	Input voltage:	48 V DC
Nominal voltage:	24 V DC / 48 V DC	Output voltage:	230 V AC (single phase) - 400 V AC (three phase)
Nominal current:	20.83 A / 10.42 A	Output frequency:	50Hz
Methanol composition:	0.9/kWh	Nominal (peak):	15 kW (30 kW)

TECHNICAL SPECIFICATIONS	BATTERY PACK 10 KWh	BATTERY PACK 20 KWh	BATTERY PACK 30 KWh
Nominal voltage:	48 V DC	48 V DC	48 V DC
Continuos discharge current:	200 A	400 A	600 A
Max discharge current:	600 A	1200 A	1800A
Charging current:	32 A	64 A	96 A

