



HPOD

M3012


CHARACTERISTICS
UNIT VALUE

CHARACTERISTICS		UNIT	VALUE
Available power	Power available from module alone	kVA	3
	Max module power + AC source	kVA	12
Power supply sources	Max DC solar panel	kW	2
	TMax solar array voltage	Voc	150
	Max wind turbine power (DC source)	kW	2
	Max genset power (AC source)	kVA	12
	Max extraction power (AC source)	kVA	12
	AC supply voltage	V	230
	AC power supply frequency	Hz	45-65
Converter / charger	Output voltage	V	230
	Distribution		Single-phase P+T+N
	Peak power on battery supply	W	6000
	Continuous power on battery @ 25 °C	W/VA	2500/3000
	Operating temperature	°C	de -20C° à + 50C°
	Inverter		Pure sine wave
	Load monitor IUOU		
	Earthing scheme		T-T
Battery storage bank	Max capacity	kWh	12
	Operating capacity DOD 50%	kWh	6
	Autonomy for 170W consumption (1)	hours	35
	Autonomy for 500W consumption (2)	hours	6
	AGM technology: sealed lead, maintenance free, deep discharge, flat plate electrodes		
	OPzS technology option: open lead, low maintenance, deep discharge, tubular plate electrodes		
	OPzV technology option: sealed lead, maintenance free, deep discharge, tubular plate electrodes		
Busbar voltage	V	48	
Operation	Colour control panel		
	Connection terminal or IEC sockets (optional) for source and AC use		
	Built-in MC4 socket for solar array		
	Communication port with GELEC ENERGY genset		
	Automated management of the GELEC ENERGY genset		
	Protection of solar array by PV fuses		
	SD card datalogger		
	Optional remote monitoring (GSM or Ethernet)		
Frame	Dimensions (subject to change)	mm	1350x805x1205
	Weight (approx.)	kg	450

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(1) Autonomy based on an average consumption of 170W (without heater, air conditioner)

(2) Autonomy based on an average consumption of 500W (without high-power cooling or heating system).

GELEC ENERGY reserves the right to change specifications without notice in a logic of improvement.