

ENERGY STORAGE SYSTEM

EH5000DC2-10K
[BUILT-IN LITHIUM BATTERY]



ESS (Energy Storage System)

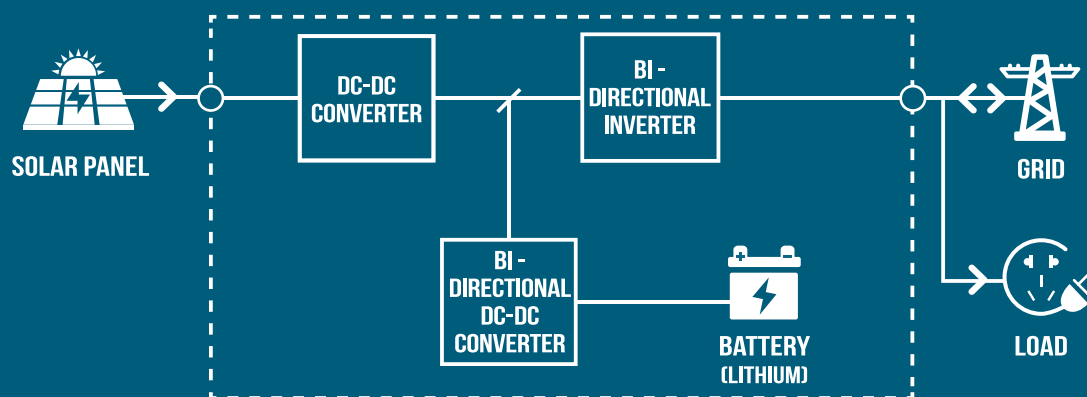
consists of MPPT-based DC-DC converter, bidirectional DC-DC converter, bidirectional inverter and battery. DC power generated by solar module and AC input power supplied from grid are consumed in the load as well as stored in the battery.

By storing the surplus energy, the ESS can supply the energy when it is needed. Therefore, the ESS can play a role as a UPS.

2-Source Input power (Grid & Solar)
Built-in Lithium Battery
Eco-friendly Design

Rated Power	5000VA
Output Voltage	220VAC
Frequency	60Hz

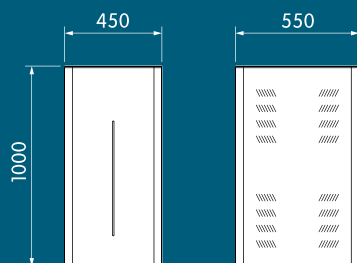
BLOCK DIAGRAM



OUTLINE DIMENSIONS

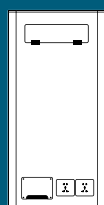


TOP VIEW

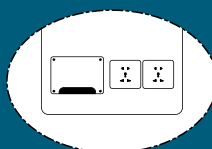


FRONT VIEW

SIDE VIEW



REAR VIEW



* AC OUTPUT
Universal Outlet

SPECIFICATIONS

MODEL	EH5000DC2-10K	
SYSTEM SPECIFICATION	Rated Power	5000VA
	Energy Capacity	10kWh
	Efficiency	More than 90%
	THD	Less than 5%
SOLAR INPUT	Input Voltage	150 ~ 450VDC
	Normal Voltage	220VDC
	Initial Feeding Voltage	150VDC
	Max. Input Current	37A
AC INPUT	Input Voltage	230VAC ± 10%
OUTPUT	Rated Voltage	220/230VAC ± 10%
	Frequency	50/60Hz ± 0.1Hz
BATTERY DATA	Type	Lithium Battery
	Voltage	200VDC
	Capacity (recommend)	50Ah (200V*5EA), 1S5P
	Max. Charging Current	20A
	Battery Back-up Time	2Hours @5000VA
ENCLOSURE	Operating Temperature	-10 ~ 45°C
	Relative Humidity	Less than 90%
	Cooling	Fan Cooling
	Protections	Over Voltage, Under Voltage, Over Current
	Dimensions (WxHxD)	450 x 1000 x 550(mm)
	Weight (Battery excluded)	100kg



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