

# SOLAR OFF-GRID INVERTER SYSTEM

SMARTY-CUBE 500 / 750  
[ LEAD-ACID BATTERY ]  
[ INPUT 750W ]



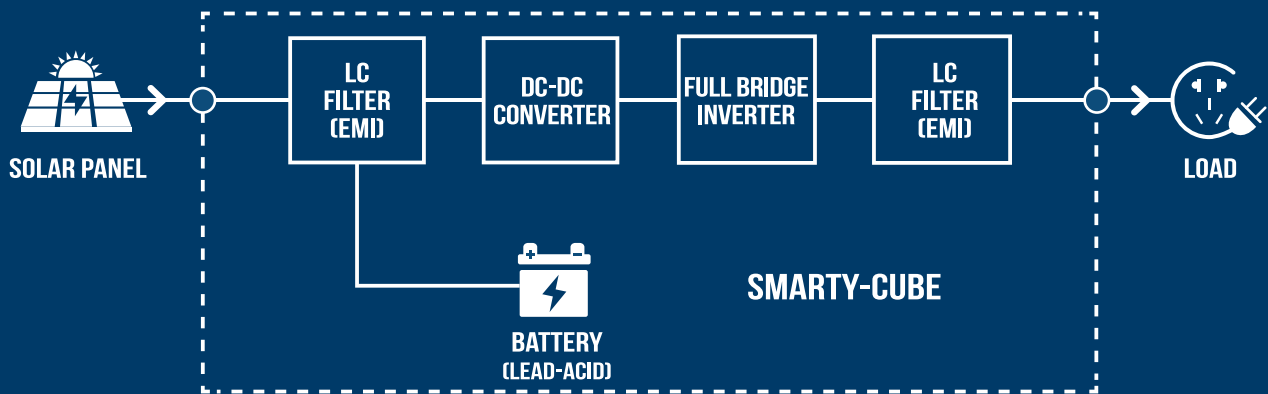
## SMARTY-CUBE

is a solar off-grid inverter system that can convert DC power generated by solar module to 220VAC power. Since the inverter system has built-in battery, the power from solar module can be stored in the battery. Therefore, this system can supply power for several hours without energy from solar module.

Solar Available  
Pure Sine Wave Output  
Battery Protection Alarm  
Exchangeable Built-in Battery

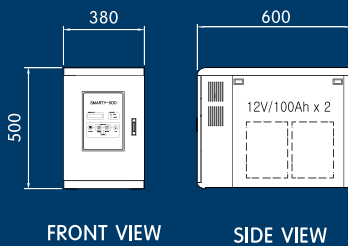
Rated Power	500 / 750W
Output Voltage	220VAC
Frequency	50 / 60Hz

## BLOCK DIAGRAM

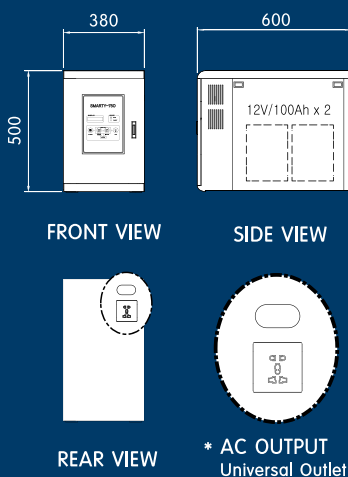


## OUTLINE DIMENSIONS

### SMARTY-CUBE H500AB2-2.4K



### SMARTY-CUBE H750AB2-2.4K



\* AC OUTPUT  
Universal Outlet

## SPECIFICATIONS

		SMARTY-CUBE	
MODEL		H500AB2-2.4K	H750AB2-2.4K
SYSTEM SPECIFICATION	Rated Power	500W	750W
	Energy Capacity	2.4kWh	
	Efficiency	More than 90%	
	THD	Less than 3%	
SOLAR INPUT	Input Voltage	20 ~ 30VDC	
	Normal Voltage	24VDC	
	Initial Feeding Voltage	20VDC	
AC INPUT	Max. Input Current	20A (250W*2EA), 1S2P	30A (250W*3EA), 1S3P
	Input Voltage	-	
OUTPUT	Rated Voltage	220 / 230VAC ± 10%	
	Frequency	50 / 60Hz ± 0.1Hz	
BATTERY DATA	Type	Lead-Acid Battery	
	Voltage	24VDC	
	Capacity (recommend)	100Ah (12V*2EA), 2S1P	
	Max. Charging Current	20A	30A
	Battery Back-up Time	4Hours	3Hours
ENCLOSURE	Operating Temperature	-10 ~ 50°C	
	Relative Humidity	Less than 90%	
	Cooling	Fan Cooling	
	Protections	Over Voltage, Low Voltage, Over Current	
	Dimensions (WxHxD)	380x500x600mm	380x500x600mm
	Weight (Battery Included)	83kg	83kg



### [Electrical Electronics Division]

- Ulsan Factory 24, Hwalbam-ro, Buk-gu, Ulsan, Korea
- Busan Factory 100, Hasinjungang-ro 3beon-gil, Saha-gu, Busan, Korea
- Eonyang Factory 58, Galjeon-gil, Eonyang-eup, Ulju-gun, Ulsan, Korea

### [Solar Division]

19-14, Sanyanggongdan 1-gil, Sanyang-myeon  
Mungyeong-si, Gyeongsangbuk-do, Korea

Homepage : <http://www.luxco.co.kr>

TEL : 82-52-280-0800 FAX : 82-52-287-8590  
TEL : 82-51-260-1300 FAX : 82-51-262-8538  
TEL : 82-52-280-0700 FAX : 82-52-254-8581

TEL : 82-54-556-8580 FAX : 82-54-556-8581

E-mail : [luxco@luxco.co.kr](mailto:luxco@luxco.co.kr)