

# SmartBox Series

## Energy Storage System

SmartBox Series is very high efficient energy storage system and has optimizing peak load reduction, improving grid reliability, and smoothing renewable energy.

### Features

- Inside hybrid inverter/charger/converter
- Lithium-ion Battery made by Samsung SDI
- Excellent safety & long life
- Easy scalability of capacity
- Communication & monitoring

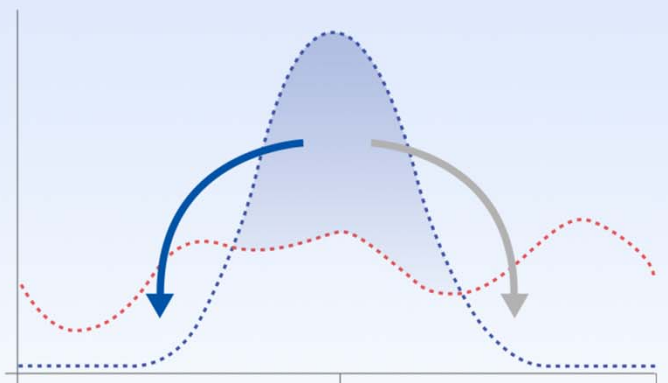
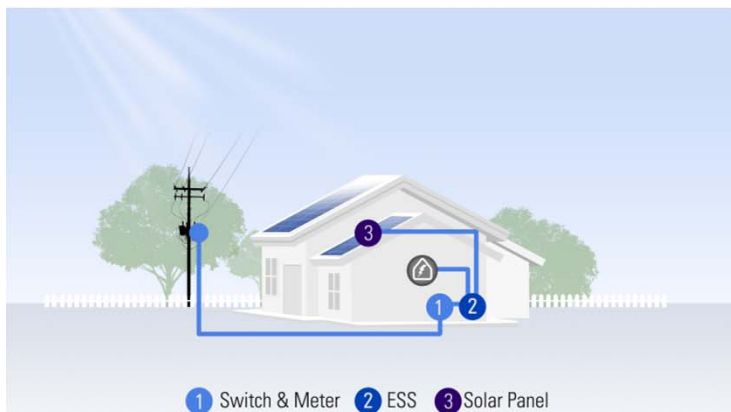
### Application

- PV System, Wind Power System, Smart Grid.
- Backup System for Home, Commercial, UPS, ATM.



Item	SmartBox 5.4	SmartBox 8.1	SmartBox 10	SmartBox 13	SmartBox 16	SmartBox 24	SmartBox 40	
PCS (Inverter/ Charger)	AC Input	AC220V, 240V 50Hz				AC3Ø 220V, 240V 50Hz		
	AC Output	AC220V, 240V 50Hz True Sine Wave				AC3Ø 240V 50Hz True Sine Wave		
	AC Output Power	2.5KW	3KW, 4.5KW		4.5KW, 6KW		13KW 18KW	
	AC Transfer SW Speed					8ms		
	THD					<5%		
	Efficiency					93%		
	Idle mode consumption	<8W				<24W		
	Emission	FCC Class B						
	Grid Function	Backup, Peak Time Control, Peak shave, Selling						
	PV, WP, Generator Input Function	OK (PV Charger Option, WP Controller Option, Generator Controller Option)						
Battery	Communication							
	TCP/IP							
	Nominal Capacity	51.8V/104Ah (5.4KWh)	51.8V/156Ah (8.1KWh)	51.8V/208Ah (10.8KWh)	51.8V/260Ah (13.5KWh)	51.8V/312Ah (16.2KWh)	24KWh~(+8KWh) 40KWh~(+8KWh)	
Cycle Life	3000~4000Cycles @SOC80%,DOD100%(Temp. & Usage Dependent)							
Cell	Lithium ion Battery made by Samsung SDI							
Total Weight	About 130Kg	About 150Kg	About 180Kg	About 200Kg	About 220Kg	-	-	
Dimension(WHD)mm	585X900X650 (Type#1)	585X1200X650(Type#2)		585X1500X650(Type#3)			-	-
Operating Temperature ,Humidity	0~50°C , 5%~95%RH(Indoor)							

- Product specifications and appearance are subject to change without notice.
- Can increase AC Out Power(Max. 18KW ) and Battery capacity(Max. Hundreds KWh).



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