

SOLAXBOX

A FULLY INTEGRATED BATTERY STORAGE SYSTEM

FEATURES



Integrated WiFi
Monitoring



Designed in
Germany



Flexible
configuration



Colour touch-screen
display



'Plug & Play'
Installation



High performance
lithium-ion batteries



Built-in superior
junction box



Integrated energy
management system

SOLAX POWER

The X-Hybrid works by storing surplus energy in batteries for later use, making it possible to utilise solar power time-independently by storing unused capacity. It converts and directs solar power to where it is needed, when it is needed. X-Hybrid is also supplied with a built-in EPS, allowing the end-user to use their stored energy in the event of a power outage.

Built-in touchscreen control



SOLAXBOX

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Monitor your system day & night
in real time via the 'X-Cloud'!

The SolaxBox comes with
wifi as standard.



SOLARBOX FROM SOLAX



Model		Inverter+BMU	
		SK-TL5000R+2.5KW	SK-TL5000R+5KW
PV Input	Max. recommended DC power [W]	5000	5000
	Max. DC voltage[V]	550	550
	Norminal DC operating voltage[V]	360	360
	MPPT voltage range [V]	125-530	125-530
	Max. input current [A]	12/12	12/12
	Max. short circuit current [A]	15/15	15/15
	Number of MPP trackers	2	2
	Strings per MPP tracker	1	1
Standby AC input AC output	Input voltage[V]; Frequency [Hz]	230/400;50/60,3Phase(3N,PE)	
	Grid configuration	TN-C,TN-S,TT	
	Rated operating Current(single phase) [A]	63	
	Rated opeating current(3 phase) [A]	40	
EPS Output connect with AC output (With battery)	EPS rated power [VA]	2000	4000
	EPS rated voltage [VAC]; Frequency [Hz]	230; 50/60	230; 50/60
	EPS rated current [A]	8.7	17.3
	EPS peak power[VA]; Duration [s]	1.5xPrated, 10	1.5xPrated, 10
	Total harmonic distortion (THD) [%]	<3	<3
	Switch time [s]	<5	<5
Inverter Output	AC nominal power [W]	4600	4600
	Nominal AC voltage [VAC]; range [V]	230; 50/60; 180~270	
	AC nominal current [A]	20	20
	Max. AC current [A]	21.7	21.7
	Total harmonic distortion (THD)	<3	
	Power factor (rated power) [%]	1	
	Displacement power factor	0.80 leading...0.80 lagging	
	Efficiency	MPPT efficiency [%]	99.9
Inverter efficiency [%]		97.6	
Charge/discharger efficiency [%]		94.0	
Battery data	Normal voltage [V]	48	
	Storage capacity [kWh]	Up to 14.4 (adjustable)	
	Battery type	Lithium	
	Deep of discharge (DOD) [%]	80	
	Cycle life	4000	
HMI interface	LCD	7" touchscreen	
	Communication	Ethernet/ Dry contact(optional)/ WIFI/ Meter	
Mechanical	W*H*D [mm]	600*1205*675	
	Weight [Kg]	180	
Others	Operating temperature range [°C] (Inverter)	-10~+50 (derating at 40)	
	Operating temperature range [°C] (Battery)	-10~+50	
	Storage stability range [°C]	-20~+60	
	Altitude [m]	<2000	
	Cooling concept	Forced airflow	
	Noise emission (Typical) [dB]	<40	
	Degree of protection	IP20 (for indoor use)	
	EMC	EN 61000-6-1	
		EN 61000-6-2	
		EN 61000-6-3	
	Safety	AS4777	
	Grid certification	Germany, Australia, Belgium, Netherlands, Denmark, Austria, UK, Italy	
Topology	Transformerless		
Warranty [years]	5		