



SOLAXBOX LV

Inverter + Battery

3K+2.5K

3.7K+2.5K

5K+2.5K

5K+5K

	3K+2.5K	3.7K+2.5K	5K+2.5K	5K+5K
INPUT (DC)				
Max.recommended DC power[W]	3300	4000	5000	5000
Max.DC voltage[V]	550	550	550	550
Norminal DC operating voltage[V]	360	360	360	360
Max.input current[A]	12	12/12	12/12	12/12
Max. short circuit current[A]	15	15/15	15/15	15/15
MPPT voltage range[V]	125-530	125-530	125-530	125-530
No. of MPP trackers	1	2	2	2
Strings per MPP tracker	1	1	1	1
OUTPUT AC				
Norminal AC power [VA]	3000	3680	4600	4600
Max. AC power [VA]	3300	3680	4999	4999
Rated grid voltage(AC voltage range) [V]	230 (180 to 270)			
Rated grid frequency [Hz]	50/60			
Norminal AC current [A]	13	16	20	20
Max. AC current [A]	14.4	16	21.7	21.7
Displacement power factor	0.80 leading...0.80 lagging			
Total harmonic distortion(THD, rated power) [%]	<3			
Load control	No			
OUTPUT DC (BATTERY)				
Battery voltage range [V]	40-60			
Recommended battery voltage [V]	48			
Max.charging/discharging power [W]	2500	2500	2500	5000
Max.charging/discharging current [A]	50	50	50	100
Communication interfaces	CAN/RS232			
Reverse connect protection	Yes			
EPS OUTPUT (WITH BATTERY)				
EPS rated power [VA]	2000		4000	
EPS rated voltage [V], Frequency [Hz]	230; 50/60		230; 50/60	
EPS rated current [A]	8.7		17.3	
EPS peak power[W];Duration [s]	1.5xPrated, 10		1.5xPrated, 10	
Switch time[s]	<5		<5	
Total harmonic distortion(THD, linear load) [%]	<3		<3	
Parallel operation	No		No	
EFFICIENCY				
MPPT efficiency [%]	99.9			
Euro efficiency [%]	97.0			
Max. efficiency [%]	97.6			
Battery charge/discharge efficiency [%]	94.0			
POWER CONSUMPTION				
Standby consumption [W]	<7			
Idle mode	YES			
STANDARD				
Safety	IEC62109-1; IEC62109-2; IEC62040-1			
EMC	EN 61000-6-1; EN 61000-6-2; EN 61000-6-3			
Certification	VDE 4105 / AS/NZS4772 / C10 11 / EN50438-NL / EN50438-DK / OVE/ONORME 8001/ G83,G59 / CEI 0-21			
ENVIRONMENT LIMIT				
Protection class	IP20 (for indoor use)			
Operating temperature range [°C]	Inverter: -10~+50 (derating at 40); Battery: -10~+50			
Altitude[m]	<2000			
Storage temperature[°C]	-20~+60			
Noise emission(typical) [dB]	<40			
Over voltage category	III (electric supply side), II (PV side)			
DIMENSION AND WEIGHT				
Dimensions(WxHxD) [mm]	600*1205*675			
Weight[kg]	180			
Cooling concept	Forced airflow			
Topology	Transformerless			
Communication	Ethernet / Dry contact(optional) / WIFI / Meter			
LCD display	7" touchscreen			
Standard warranty [years]	5-10			

*Can be modified without notice.(V2)