

SIMULIFE Electric

SKAN Elite series product specifications

* Disclaimer: All pictures shown are for illustrative purposes only. Actual product may vary due to product enhancements.

Particulars / Product	SKAN Elite 2000	SKAN Elite 3000	SKAN Elite 4000	SKAN Elite 5000	SKAN Elite 6000 Lite	SKAN Elite 6000	SKAN Elite 8000	SKAN Elite 12000
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Solar panel string specifications



Nominal Solar power (Wp)	2000	3000	4000	5000	5000	6000	8000	12000
Maximum allowable solar power	25% additional over the nominal power							
Max. Solar string input voltage (VOC)	105	140	185	184	184	230	360	410
MPPT operating range (V)	55-85	90-120	120-150	120-150	120-150	140-180	240-300	320-380
Maximum short circuit (A)	30	30	30	40	40	40	30	40
Rated MPPT voltage (V)	65	95	125	125	125	160	260	360
Number of strings	3	3	3	4	4	4	3	4

Inverter specifications



Max. output apparent power (VA)	2000	3000	4000	5000	6000	6000	8000	12000
Power Factor	0.8							
Output voltage nominal (V)	230 (+/-5%)							
Output frequency (Hz)	50							
Output connections	1Φ, (Phase-Neutral-Earth)							
Protections & features	Overvoltage, Over current, Over load, Galvanically Isolated inverter, Surge, Over Temperature, Short Circuit.							

Battery specifications







Battery Voltage (V)	48	72	96	96	96	120	192	240
Capacity (AH)	40 AH to 400 AH							

PV Charger



Boost charging voltage (V)	57.6	86.4	115.2	115.2	115.2	144	230.4	288
Float charging voltage (V)	54.4	81.6	108.8	108.8	108.8	136	217.6	272
Max Charging current (A)	40							
Technology	MPPT (P&O)							

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Grid Charger								
								
Charger voltage range (V)	185 - 260							
Grid Frequency (Hz)	47-53							
Boost charging voltage (V)	57.6	86.4	115.2	115.2	115.2	144	230.4	288
Float charging voltage (V)	54.4	81.6	108.8	108.8	108.8	136	217.6	272
Charging current (A)	5 – 25 (Settable)							
HMI								
								
Audible alarm	For all manual intervention faults							
LCD display	Refer the LCD section of the manual							
Communication	Standard RS 485 port							
Remote monitoring	Optional. Compatible with Wi Fi or GSM							
Environmental								
								
Operating Environment (°C)	0 – 50							
Operating Relative Humidity (%)	10 - 90							
Operating Elevation (m)	0-1000							
Storage Temperature (°C)	0 – 60							
Applications								
								
Lighting, Fans, Wahsing Machines, TV, Music systems, 5A charging, Grinder, Mixer, Refridgerator, Rice cooker, Microwave owen, <0.75HP Motor, AC*, Geysers*								
* On 3KVA and above								