

V-TAC

Meaningful Innovation.

30kW / 50kWh | SKU: 11891

50kW / 50kWh | SKU: 11892

Energy Storage Solution



Flexible and easily expanded as per the requirements.



Integrate all things and easy for installation



AC couple to retrofit existing solar system



Equip with cloud-based monitoring capabilities



SPECIFICATION

Models	SUN-30K-SG01HP3-EU-BM3 SKU: 11891	SUN-50K-SG01HP3-EU-BM4 SKU: 11892
Battery Input Data		
Battery Voltage Range	160-800	
Max. Charging&DischargingCurrent (A)	100	
PV String Input Data		
Max. DC Input Power(W)	39000	65000
Max. DC Input Voltage(V)	1000	
MPPT Range(V)	150-850	
Rated DC Input Voltage(V)	600	
PV Input Current (A)	36+36+36	36+36+36+36
No.of MPP Trackers	3	4
No.of Strings per MPP Tracker	2+2+2	2+2+2+2
AC Output Data		
Rated AC Output Active Power(W)	30000	50000
Max AC Output Active Power(W)	33000	55000
AC Output Rated Current(A)	45.5/43.5	75.8/72.5
Power Factor Adjustment Range	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac	
Total Harmonic Distortion(THD)	<3% (of nominal power)	
Max. Efficiency	97.60%	
Certifications and Standards		
Grid Regulation	"IED 61727, IEC 62116, CEI 0-21, EN50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105"	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
General Data		
Operating Temperature Range (°C)	-40-60°C, >45°C	
Noise (dB)	≥ 65 dB	
Weight (kg)	80	
Cabinet Size (WxHxD mm)	527x894x294 (Excludeing Connectors and Brackets)	
Protection Degree	IP65	
Battery Model		
512V100Ah Battery system		
Nominal Voltage(V)	512	
Nominal Capacity(Ah)	100	
Rated Energy(KWh)	51.2	
Operating Voltage Range(V)	448~576	
Efficiency	≥ 92%	
Slef-discharge	≥ 3% each month	
Recommend Continuous Charging Current (A)	50	
Maximum Continuous Charging Current (A)	100	
Recommend Continuous Charging Current (A)	50	
Max imum Continuous Discharging current (A)	100	
Cycle life	6000C@80%DOD	
Communication	CAN/RS485	
Operating Temperature Range (°C)	10°C~40°C	
Charging Ambient Temperature (°C)	0°C~45°C	
Discharging Ambient Temperature (°C)	0°C~45°C	
Humidity	<95%RH	
Cabinet Size (WxHxD mm)	800*2000*800	
Weight(Kg)	650	