

Hybrid solar inverter-Three phase

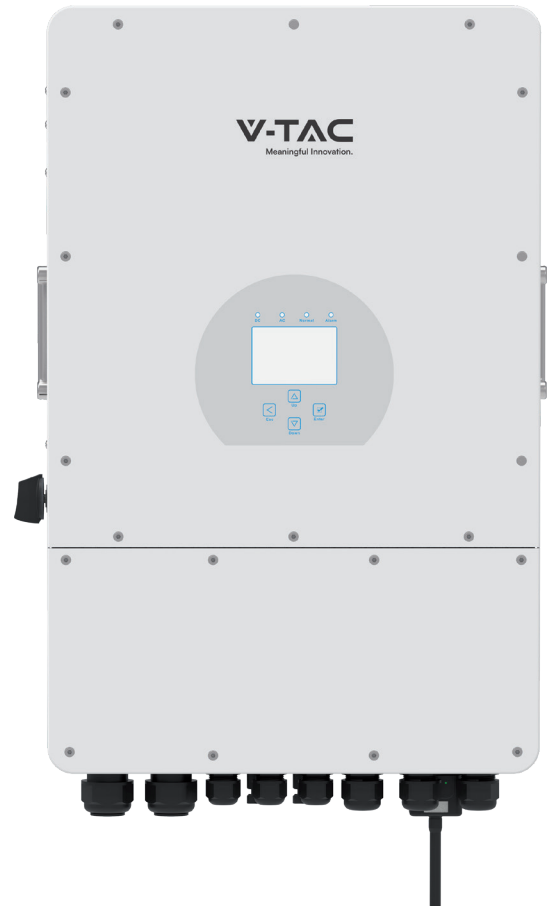
10KW



SUN-10K-SG04LP3-EU SKU:11542

12KW

SUN-12K-SG04LP3-EU SKU:11543

5 **YEAR**
WARRANTY



- 100** 100% unbalanced output, each phase; Max. output up to 50% rated power
-  DC couple and AC couple to retrofit existing solar system
- 10** Max. 10pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 240** Max. charging/discharging current of 240A
- 48** 48V low voltage battery, transformer isolation design
- 6** 6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

Model	SUN-10K-SG04LP3-EU	SUN-12K-SG04LP3-EU
Battery Input Data		
Battery Type	Lead-acid or Li-Ion	
Battery Voltage Range (V)		
Max. Charging Current (A)	210	240
Max. Discharging Current (A)	210	240
External Temperature Sensor	Yes	
Charging Curve	3 Stages / Equalization	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	
PV String Input Data		
Max. DC Input Power (W)	13000	15600
Rated PV Input Voltage (V)	550 (160~800)	
Start-up Voltage (V)	160	
MPPT Voltage Range (V)	200-650	
Full Load DC Voltage Range (V)	350-650	
PV Input Current (A)	26+13	
Max. PV ISC(A)	34+17	
No.of MPP Trackers	2	
No.of Strings per MPP Tracker	2+1	
AC Output Data		
Rated AC Output and UPS Power (W)	10000	12000
Max. AC Output Power (W)	11000	13200
AC Output Rated Current (A)	15.2/14.5	18.2/17.4
Max. AC Current (A)	22.7/21.7	27.3/26.1
Max. Continuous AC Passthrough (A)	45	
Peak Power (off grid)	2 time of rated power, 10 S	
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac	
Grid Type	Three Phase	
DC injection current (mA)	THD<3% (Linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	
Protection		
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection	
Output Over Voltage Protection	DC Type II/AC Type III	
Certifications and Standards		
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
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 derating	
Cooling	Smart cooling	
Noise (dB)	<45 dB	
Communication with BMS	RS485; CAN	
Weight (kg)	33.6	
Size (mm)	422W x 699.3H x279D	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	