



Meaningful Innovation.

6kW

Single Phase Hybrid Solar Inverter

ITALIAN SPECIFICATION

10 YEAR
WARRANTY



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system



Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



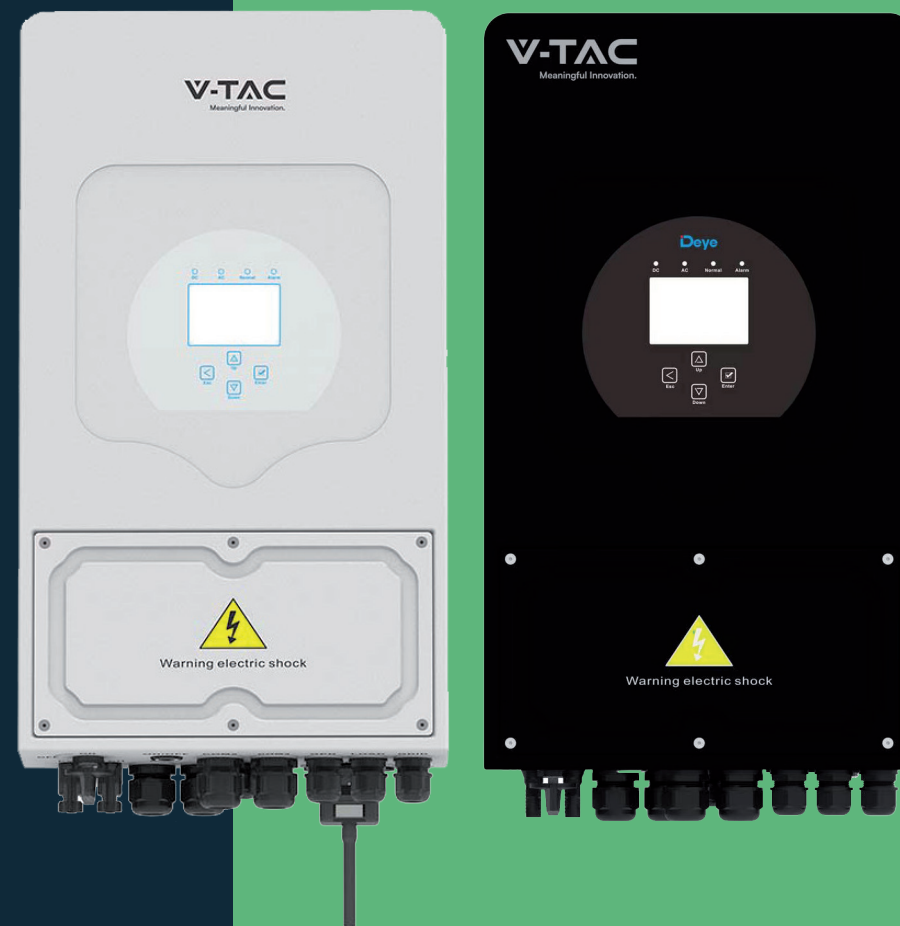
Max. charging/discharging current of 135A



6 time periods for battery charging/discharging



Support storing energy from diesel generator



V-TAC.EU



VTACEXPORTS.COM



CE RoHS

LISTING DETAILS

SKU Code:	11529 White Body 115291 Black Body
EAN Code:	3800157693868 White 3800170227910 Black

MASTER BOX PACKAGING

Net Weight :	24kg
Product Size :	330W x 580H x232D

EFFICIENCY

Max. Efficiency	97.60%
Euro Efficiency	96.50%
MPPT Efficiency	99.90%

GENERAL DATA

Operating Temperature Range (°C)	-40~60°C, >45°C derating
Cooling	Natural cooling
Noise (dB)	<30 dB
Communication with BMS	RS485; CAN
Protection Degree	IP65
Installation Style	Wall-mounted

PV STRING INPUT DATA

Max. DC Input Power (W)	7800
Rated PV Input Voltage (V)	370 (125~500)
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Full Load DC Voltage Range (V)	300-425
PV Input Current (A)	13+13
Max. PV ISC (A)	17+17
No.of MPP Trackers	2
No.of Strings per MPP Tracker	1+1

AC OUTPUT DATA

Rated AC Output and UPS Power (W)	6000
Max. AC Output Power (W)	6600
AC Output Rated Current (A)	27.3/26.1
Max. AC Current (A)	30/28.7
Max. Continuous AC Passthrough (A)	40A
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Grid Type	Single Phase
DC injection current (mA)	THD<3% (Linear load<1.5%)
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac

BATTERY INPUT DATA

Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	135
Max. Discharging Current (A)	135
External Temperature Sensor	Yes
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

PROTECTION

Integrated	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
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Output Over Voltage Protection	DC Type II/AC Type III
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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