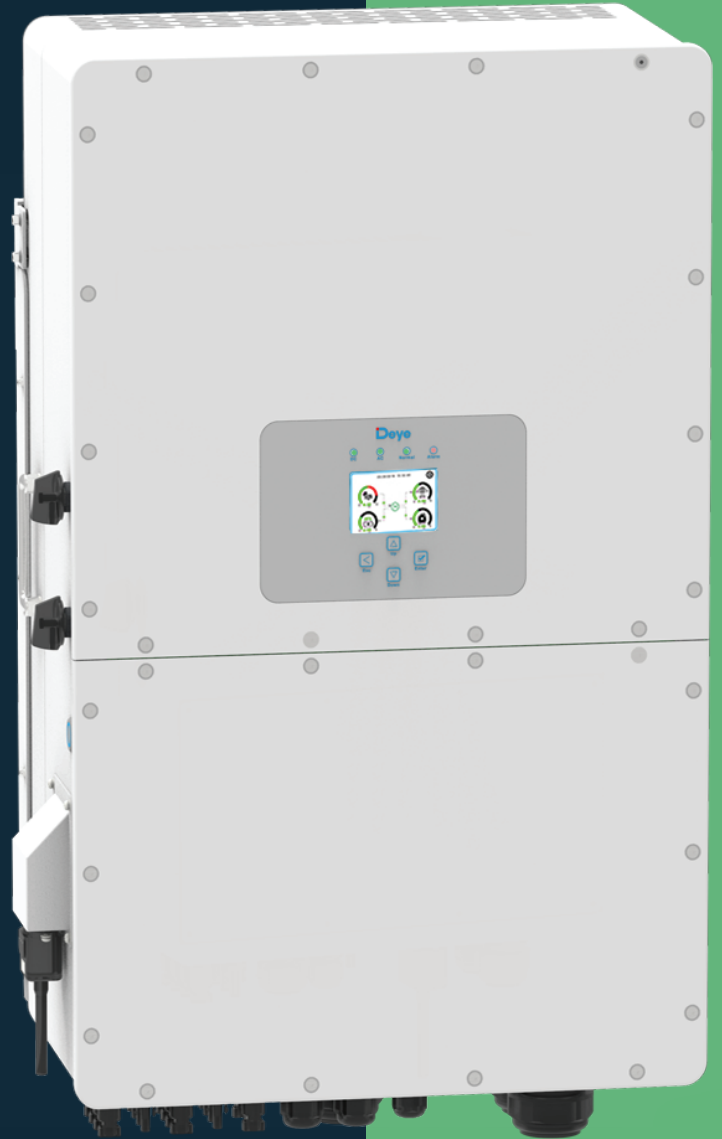


V-TAC

Meaningful Innovation.

50kWh HYBRID INVERTER THREE PHASE

05 YEAR
WARRANTY



High voltage battery, higher efficiency



AC couple to retrofit existing solar system



*Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



100% unbalanced output, each phase



Max. charging/discharging current of 100A



6 time periods for battery charging/discharging



Support storing energy from diesel generator

BATTERY INPUT DATA

Battery Type	Lithium-ion
Battery Voltage Range (V)	160-800
Max. Charging Current (A)	50+50
Max. Discharging Current (A)	50+50
Number of Battery Input	2
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

PV STRING INPUT DATA

Max. DC Input Power (W)	65000
Max. DC Input Voltage (V)	1000
Start-up Voltage (V)	180
MPPT Range (V)	150-850
Full Load DC Voltage Range (V)	450-850
Rated DC Input Voltage (V)	600
PV Input Current (A)	36+36+36+36
Max. PV I _{sc} (A)	55+55+55+55
No. of MPP Trackers	4
No. of Strings per MPP Tracker	2+2+2+2

AC OUTPUT DATA

Rated AC Output Active Power (W)	50000
Max. AC Output Active Power (W)	55000
AC Output Rated Current (A)	75.8/72.5
Max. AC Output Current (A)	83.4/79.7
Max. Three-phase Unbalanced Output Current (A)	83.3
Max. Continuous AC Passthrough (A)	200
Peak Power (Off Grid)	1.5 time of rated power, 10 S
Generator Input/Smart Load /AC Couple Current (A)	75.8 / 200 / 75.8
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three Phase
Total Harmonics Current Distortion (THDi)	<3% (of nominal power)
DC Current Injection	<0.5% I _n

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, Arc Fault Circuit Interruption (AFCI optional)

Over Voltage Category DC Type II/AC Type III

LISTING DETAILS

SKU Code:	11861
EAN Code:	3800170217539

CERTIFICATIONS AND STANDARDS

Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, 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 Derating
Cooling	Smart Cooling
Noise (dB)	≤65 dB
Communication with BMS	CAN
Weight (kg)	80
Protection Degree	IP65
Installation Style	Wall-mounted
Cabinet Size (WxHxD mm)	527×894×294 (Excluding Connectors and Brackets)

EFFICIENCY

Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%