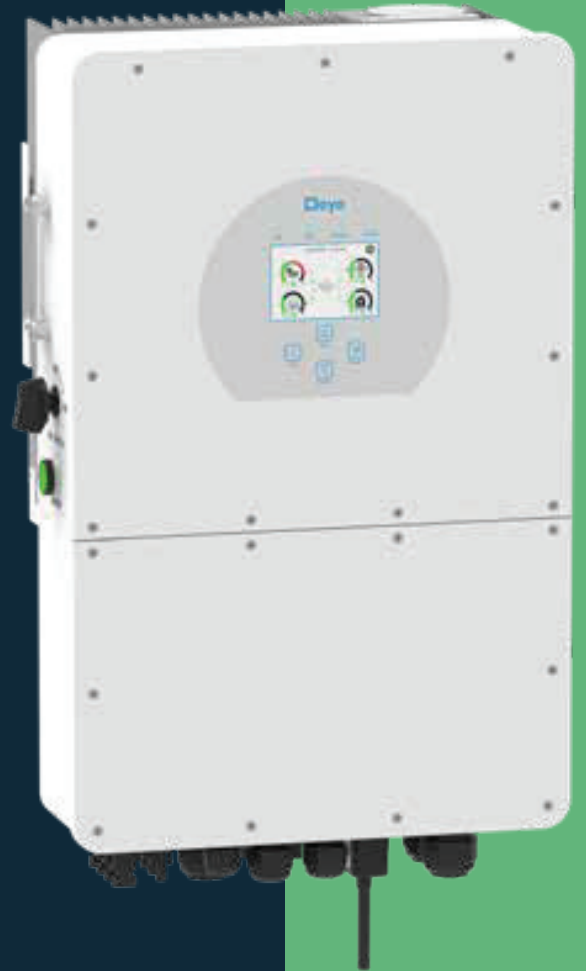


# V-TAC

Meaningful Innovation.

# 10kWh HYBRID INVERTER THREE PHASE

**05** YEAR  
WARRANTY



High voltage battery, higher efficiency



Max. charging/discharging current of 50A



AC couple to retrofit existing solar system



6 time periods for battery charging/discharging



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



Support storing energy from diesel generator



100% unbalanced output, each phase

## BATTERY INPUT DATA

Battery Type	Lithium-ion
Battery Voltage Range (V)	160-700
Max. Charging Current (A)	37
Max. Discharging Current (A)	37
Number of Battery Input	1
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

## PV STRING INPUT DATA

Max. DC Input Power (W)	13000
Max. DC Input Voltage (V)	1000
Start-up Voltage (V)	180
MPPT Range (V)	150-850
Full Load DC Voltage Range (V)	325-850
Rated DC Input Voltage (V)	600
PV Input Current (A)	20+20
Max. PV $I_{sc}$ (A)	30+30
No. of MPP Trackers	2
No. of Strings per MPP Tracker	1+1

## AC OUTPUT DATA

Rated AC Output Active Power (W)	10000
Max. AC Output Active Power (W)	11000
AC Output Rated Current (A)	15.2/14.5
Max. AC Output Current (A)	16.7/16
Max. Three-phase Unbalanced Output Current (A)	22
Max. Continuous AC Passthrough (A)	40
Peak Power (Off Grid)	1.5 time of rated power, 10 S
Generator Input/Smart Load /AC Couple Current (A)	0.8 leading to 0.8 lagging
Power Factor Adjustment Range	220/380, 230/400 0.85Un-1.1Un
Output Frequency and Voltage	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz
Grid Type	3L+N+PE
Total Harmonics Current Distortion (THDi)	<3% (of nominal power)
DC Current Injection	<0.5% $I_n$

## 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, Arc Fault Circuit Interruption (AFCI optional)

Over Voltage Category DC Type II/AC Type III

## LISTING DETAILS

SKU Code: **11918**

EAN Code: **3800170220331**

## 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)	≤55 dB
Communication with BMS	CAN
Weight (kg)	30.5
Protection Degree	IP65
Installation Style	Wall-mounted
Cabinet Size (WxHxD mm)	408×638×237 (Excluding Connectors and Brackets)

## EFFICIENCY

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