

Residential Storage Inverter



Solar+Storage Hybrid Inverter



High Efficiency



Multi-unit Parallel



Wide Range of Power



Strong Battery Voltage Compatibility



VPP Interface Ready

Single Phase Hybrid Inverter

	3.6KW SKU: 12157 EAN: 3800170224773	5KW SKU: 12158 EAN: 3800170224780	6KW SKU: 12156 EAN: 3800170224766
Off-grid Output			
Nominal Output Power	3600W	5000W	6000W
Nominal Voltage	230V		
Nominal Frequency	50/60Hz		
Nominal Output Current	16.4A	22.7A	27.2A
THDu	<2%		
On-grid Parameter			
Nominal Output Power	3600W	5000W	6000W
Max. Output Current	16.4A	22.7A	27.2A
Nominal Grid Voltage	230V		
Max. loutput Current from Grid	22.7A	27.2A	27.2A
Grid Voltage Range	184-264V		
Frequency Range	45-65Hz		
PV Input			
Max. Input Power	6000Wp	7500Wp	9000Wp
Starting Voltage	95V		
Max. Input Voltage	600V		
MPPT Voltage Range	80-550V		
Full Load MPPT Voltage Range	350-500V		
Number of MPPT	2		
Max. Input String Per MPPT	1		
Nominal Input Voltage	360V		
Max. Input Current	18A/18A		
Battery Parameter			
Battery Type	Lithium-ion battery		
Nominal Battery Voltage	51.2V		
Battery Voltage Range	42-58V		
Max. Charging Voltage	≤60V		
Max. Charging/Discharging Current	85A	100A	100A
Efficiency			
Max. Efficiency	97.80%	98.00%	98.00%
European Efficiency	97.30%	97.50%	97.50%
Max. Battery Charging/Discharging Efficiency	95.20%		
General Data			
Size(L*W*H)	500mm*470mm*180mm		
Weight	21kg		
Noise	<25dB(A)		
Operating Temperature Range	-25°C~+60°C		
Cooling Method	Natural cooling		
Ingress Protection Grade	IP65		
Mornitoring	H5/LED/APP/WIFI/4G/Bluetooth		
Communication Port	RS485/CAN/DRED/DO/Parallel port		
Protection	DC Switch, PV Insulation Resistance Detection, Residual Current Monitoring, Anti-islanding Protection,Reverse Polarity Protection(PV) AC Short Circuit Protection, AC Overcurrent Protection, AC Overvoltage Protection, Surge Protection, Lightning Protection II		
Certification			
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2		
CE EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4		
Grid	VDE-AR-N 4105, G99, CEI 0-21, EN50549 NRS 097-2-1, R25,C10-11,NTS 2.1		

Single Phase Hybrid Inverter

Higher Reliability

IP65 Outdoor and Indoor use
Natural cooling, Ultra silence
SiC technology, Longer lifespan
Plug-in design, Easy to install

High Capability

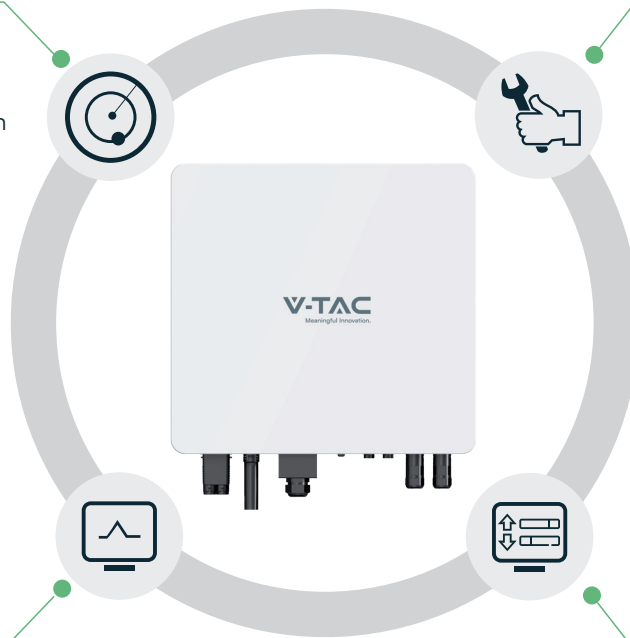
15 units in parallel
2 independent ports for battery
Support mixture use of old & new battery

Auto sleep
VPP interface ready
Cloud + Smart data analysis

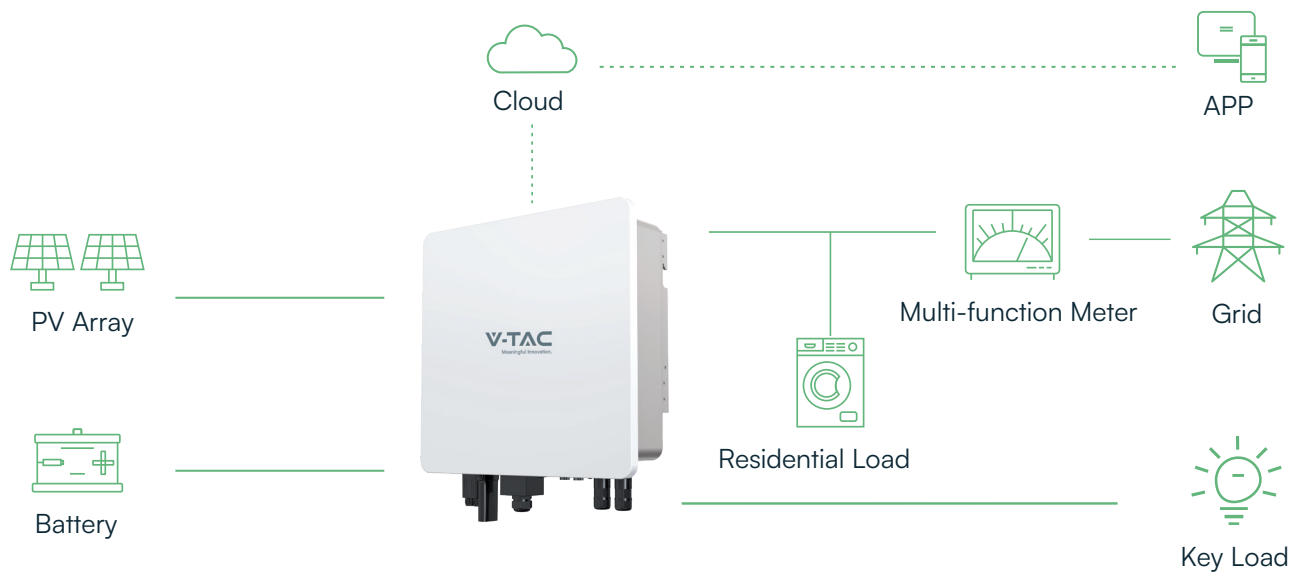
Smart Monitoring

UPS function
Flexible DO control
10ms on/off-grid switchover
100% three phase unbalance

Strong Load Adaptability



Typical Configuration



Single Phase Hybrid Inverter

