

Single-phase ESS hybrid inverter

5KW


VT-6606103 SKU: 11508


5 YEAR
WARRANTY



 **Supports automatic battery switching;**

 **Support diesel generator input source;**

 **Compatible with lead-acid and lithium-ion batteries;**

 **Parallel available, intelligent BMS management;**

 **Input power source priority can be set by users;**

 **Battery reverse connection protection, anti-power control function;**



Luxury villa



Communication base station



Nomadic farm



Residential electricity

Input (PV)	Max. power(kW)	7
	Max. DC voltage(V)	550
	MPPT voltage range(V)	125~500
	Max.input current of single MPPT(A)	14
	MPPT tracker/strings	2/1
Output (AC)	Rated output power(kVA)	5
	Max. output current(A)	21.7
	Grid voltage/range(V)	230/176~270
	Frequency (Hz)	50 /60
	PF	0.8lagging-0.8leading
	THDi	<3%
	AC output topology	L+N+PE
Battery	Battery voltage range(V)	40~58
	Max. charging voltage(V)	58
	Max. charge/discharge current(A)	95/104.2
	Battery type	lithium /Lead-acid
	Communication interface	CAN/RS485
EPS output	Rated power (kVA)	5
	Rated output voltage(V)	230
	Rated output current(A)	21.7
	Rated frequency (Hz)	50 /60
	Automatic switching time (ms)	<20
	THDu	<2%
	Overload capacity	110%, 30S/120%, 10S/150%, 0.02S
General data	Battery chage/discharge efficiency	95.0%
	DC Max. efficiency	97.6%
	Europe efficiency	97.0%
	MPPT efficiency	99.9%
	Ingress protection	IP65
	Noise emission (dB)	<35
	Operation temperature	- 25℃~ 60℃
	Cooling	Natural
	Relative humidity	0 ~95% (non-condensing)
	Altitude	2,000m(>2,000 Derating)
	Dimensions W * D * H (mm)	550*200*515
	Weight (kg)	25
	Isolation transformer	No
Self-consumption(W)	<3	
General data	Display	LCD
	Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes
	Certificates	CE, TUV, SAA, NRS