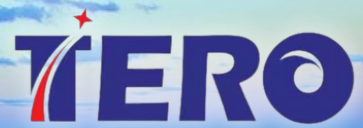


Single Phase Hybrid Inverter



PHASE RENEWABLES
"The Green Choice"



Energy storage inverter

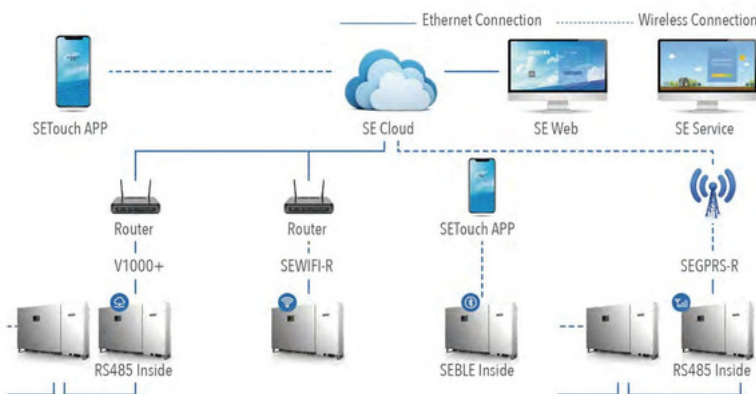
- 1 HIGH YIELD**

 - Max. efficiency - 97.3% / Battery efficiency - 94%
 - Reasonable energy control to increase the proportion of spontaneous use
 - Max.Charge/Discharge Current 120A
- 2 HIGH RELIABILITY**

 - BMS system ensures high battery life
 - Natural cooling design
- 3 INTELLIGENT MAINTENANCE**

 - Compatible with lead-acid battery and lithium battery energy storage systems
 - Remote configuration and upgrade

Smart Solar Cloud



- For Residential/Commercial/Storage application
- Android /iOS APP compatible with latest Android/iOS OS system
- Cloud service based in Europe & America
- Singapore and China String Monitoring

Model	TE-HB3KP1- D1-04		TE-HB5KP1- D1-04
Input (PV)			
Max. Power (kW)	4.6		7
Max. DC Voltage (V)		550	
MPPT Voltage Range (V)		125~550	
Max. Input Current of Single MPPT(A)		14	
MPPT Tracker/Strings	2/1		2/1
AC Output			
Rated Output Power (kVA)	3.6		5
Max. Output Current (A)	16		21.7
Grid Voltage/Range (V)		230/176~270	
Frequency (Hz)		50 /60	
Power Factor (cosΦ)		0.8lagging-0.8leading	
THDi		<3%	
AC Output Topology		L+N+PE	
Battery			
Battery Voltage Range (V)		40~58	
Max. Charging Voltage (V)		58	
Rated Charge/Discharge Current (A)	95/75		95/104.2
Battery Type		Lithium /Lead-acid	
Communication Interface		CAN/RS485	
EPS Output			
Rated Power (kVA)	3.6		5
Rated Output Voltage (V)		230	
Max. Output Current (A)	16		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 Charge/Discharge Efficiency		95%	
DC Max. Efficiency		97.6%	
Europe Efficiency		97%	
MPPT Efficiency		99.9%	
Ingress Protection		IP65	
Noise Emission (dB)		<35	
Operation Temperature		-25°C~ 60°C	
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	
Display and Communication			
Display		LCD	
Interface: RS485/Wifi/4G/CAN/DRM		Yes/ Opt/ Opt/ Yes/ Yes	
Safety standard		IEC/EN62109-1/-2, IEC/EN62477-1	
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-3	
On-grid		Europe:EN50549-1, Germany:VDE4105/0124, UK:G99,G98, South Africa:NRS097-2-1:2017	