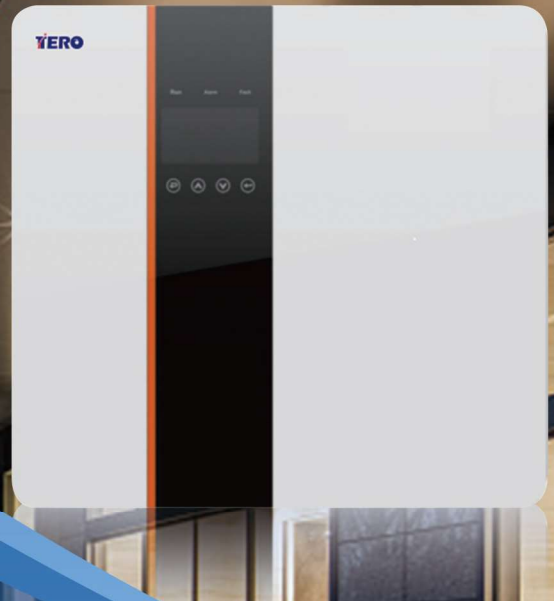


Single Phase Hybrid Inverter



Energy storage inverter

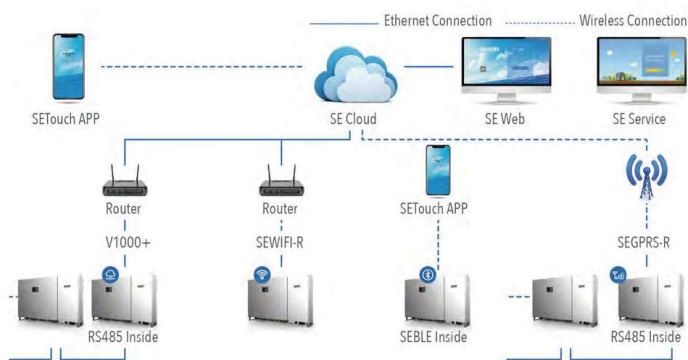
- 1 HIGH YIELD**

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

 - With BMS system to ensure high battery life
 - Natural cooling design
- 3 INTELLIGENT MAINTENANCE**

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

Smart Solar Cloud



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

Model	TE-HB3KP1- D1-04	TE-HB3K6P1- D1-04	TE-HB4KP1- D1-04	TE-HB4K6P1- D1-04	TE-HB5KP1- D1-04	TE-HB6KP1- D1-04
Input (PV)						
Max. Power (kW)	4.6		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	2/1	2/1	2/1	2/1
AC Output						
Rated Output Power (kVA)	3	3.6	4	4.6	5	6
Max. Output Current (A)	13	16	17.4	20	21.7	26
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)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110
Battery Type	lithium /Lead-acid					
Communication Interface	CAN/RS485					
EPS output						
Rated Power (kVA)	3	3.6	4	4.6	5	6
Rated Output Voltage (V)	230					
Max. Output Current (A)	13	16	17.4	20	21.7	26
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					