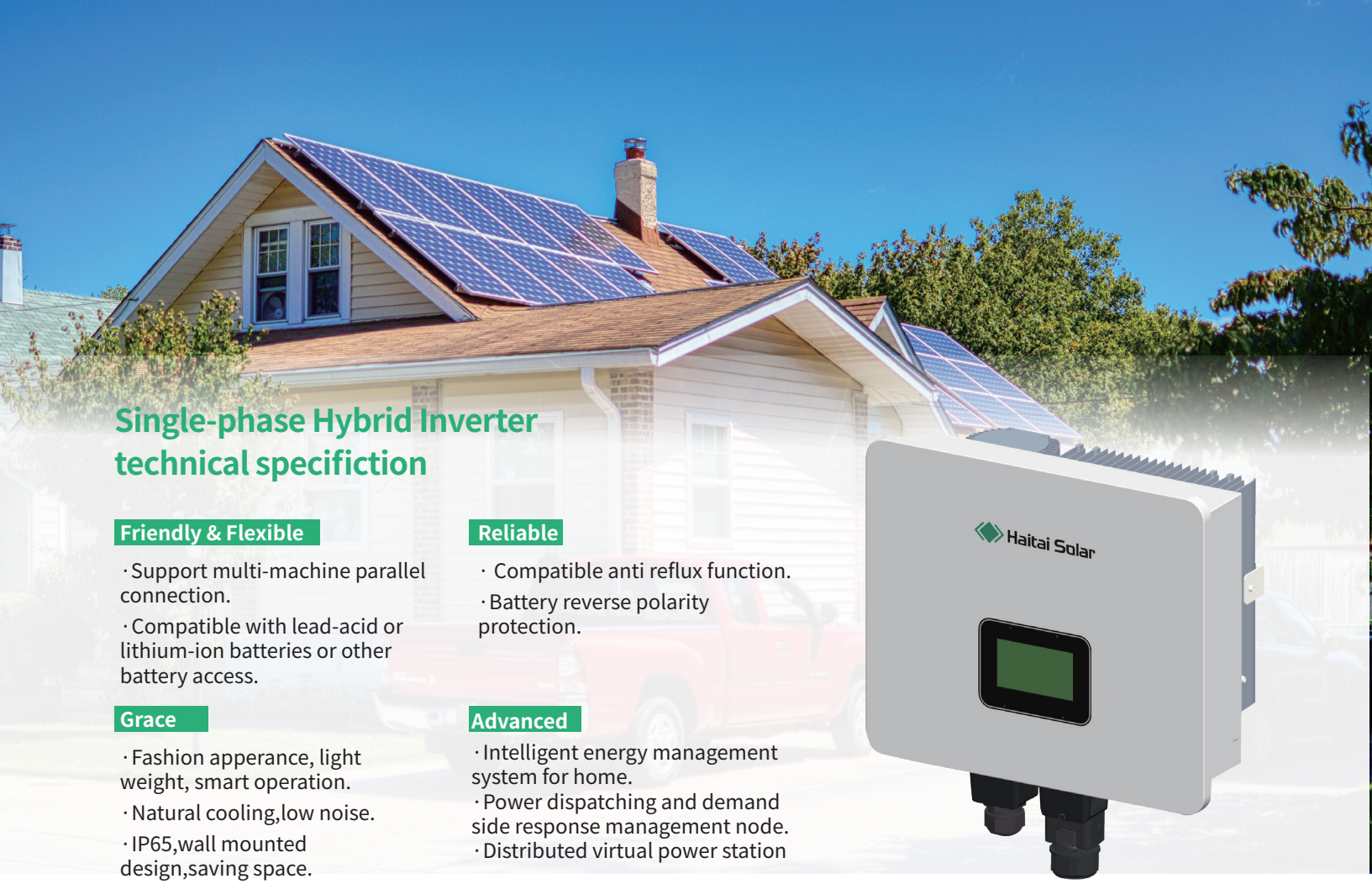

Single-phase Hybrid Inverter technical specifiction

Friendly & Flexible

· Support multi-machine parallel connection.

· Compatible with lead-acid or lithium-ion batteries or other battery access.

Reliable

· Compatible anti reflux function.

· Battery reverse polarity protection.

Grace

· Fashion apperance, light weight, smart operation.

· Natural cooling,low noise.

· IP65,wall mounted design,saving space.

Advanced

· Intelligent energy management system for home.

· Power dispatching and demand side response management node.

· Distributed virtual power station

Data Sheet	HTDESS S3.0K G2	HTDESS S4.0K G2	HTDESS S5.0K G2	HTDESS S6.0K G2
DC Input				
Max. Input Power (kW)	4.5	6	7.5	9
Start-up Voltage (V)	100			
Max. PV Voltage(V)	550			
MPPT Range/Nominal (V)	80~500/360			
Max. Input Current(A)	16			
NO. of MPPT Trackers	2			
AC output				
Rated Power (kW)	3	4	5	6
Max. Apparent Power Output to Grid(kVA)	3.3	4.4	5	6.6
Nominal Voltage/Range(V)	230 /176~270			
Frequency (Hz)	50 /60			
Power Factor	1 (0.8 lead ~ 0.8 lag)			
THDi	<3%			
AC Output Topology	L+N+PE			

Single-phase Hybrid Inverter technical specifiction

Battery				
Battery Voltage Range(V)	51.2/40~58			
Max. Charging Voltage(V)	58			
Max. Charge/Discharge Current(A)	60/60	80/80	100/100	120/120
Communication Interface	CAN/RS485			
Battery Type	Lithium / Lead-acid			
EPS output				
Rated Power (kW)	3	4	5	6
Rated Voltage(V)	220/230V			
Max. Output Current(A)	14.3	19.1	21.7	28.7
Rated Frequency(Hz)	50/60			
Automatic Switching Time(ms)	<10ms			
THDu	<2%			
Overload Capacity	110%,60S / 120%,30S / 150%,10S			
General data				
Battery Charge /Discharge Efficiency	96%			
DC Max. Efficiency	98%			
Europe Efficiency	97%			
MPPT Efficiency	99.90%			
Ingress Protection	IP65			
Noise Emission(dB)	<35			
Operation Temperature (°C)	-25~60			
Cooling	Natural			
Relative Humidity	0 ~95% (non-condensing)			
Altitude	4,000m(>2,000 Derating)			
Dimensions W × D × H(mm)	451×200×474			
Weight(kg)	18			
Inverter Topology	transformerless			
Self-consumption(W)	<3			
Display & communication				
Display	LCD LED			
Interface	RS485/Wifi/4G/CAN/DRM Opt			
Certification				
EMC	IEC/EN 61000-6-1:2019, IEC/EN 61000-6-2:2019, IEC/EN 61000-6-3:2021, IEN/EN 61000-6-4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, IEC/EN 61000-3-11:2019, EN 61000-3-12:2011			
On-grid	Europe: EN 50549-1:2019/AC:2019, Germany:VDE-AR-N 4105:2018 / DIN VDE V 0124-100(VDE V 0124-100):2020, UK:G98/G99/1-6:2022, Hungary:EN50549-1:2019/RFG:2016/Hungary, Italy CEI 0-21, Poland:EN50549-1/ Rfg:2016/NC Rfg:2018/PTPiREE:2021 ,IEC:IEC61727&IEC62116&IEC61683			
Safety standard	IEC/EN62109-1:2010, IEC/EN62109-2:2011			