

# Smart Hybrid Inverter

Residential Energy Storage Inverters



## Product features:



### Friendly & flexible

- Support multi-machine parallel connection;
- Compatible with lead-acid or lithium-ion batteries or other battery access;



### Grace

- Fashion appearance, light weight, smart operation;
- Natural cooling, low noise;
- IP65 , wall mounted design, saving space;



### Reliable

- Compatible anti counter flow function;
- Battery reverse connect protection;



### Advanced

- Intelligent energy management system for home ;
- Power dispatching and demand side response management node;
- Distributed virtual power station management node;

# Technical specification:

Datasheet	QS3KL1-G2	QS3K6L1-G2	QS4KL1-G2	QS4K6L1-G2	QS5KL1-G2	QS6KL1-G2	QS8KL1-G2
<b>DC Input</b>							
Max. Input Power (kW)	4.6	4.6	6	6	7	7	12
Start-up Voltage (V)				120			
Max. PV Voltage(V)				550			
MPPT Range/Nominal (V)				125~500/360			
Max. Input Current(A)	14/14	14/14	14/14	14/14	14/14	14/14	30/15
MPPT Tracker/Strings	2/1	2/1	2/1	2/1	2/1	2/1	2/3
<b>AC output</b>							
Rated Power (kW)	3	3.68	4	4.6	5	6	8
Max. Output Current(A)	13	16	17.4	20	21.7	26	35
Nominal Voltage/Range(V)				230 /176~270			
Frequency (Hz)				50 /60			
Power factor				1(0.8lagging-0.8leading)			
THDi				<3%			
AC output topology				L+N+PE			
<b>Battery</b>							
Battery voltage range(V)				40~58			
Max. charging voltage(V)				58			
Charge/Discharge Current(A)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110	160/160
Communication Interface				CAN			
<b>EPS output</b>							
Rated power (kW)	3	3.6	4	4.6	5	6	8
Rated voltage(V)				230			
Rated current(A)	13	16	17.4	20	21.7	26	35
Rated frequency(Hz)				50 /60			
Automatic switching time(ms)				<20			
THDu				<2%			
Overload capacity				110%, 60S/120%, 30S/150%, 10S			
<b>General data</b>							
Battery charge /discharge efficiency				96.5%			
DC Max. efficiency				98.2%			
Europe efficienc				97.5%			
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)				451*212*474			
Weight(kg)				18			
Inverter Topology				transformerless			
Self-consumption(W)				<3			
<b>Display and communication</b>							
Display				/			
Interface:RS485/Wifi/4G/CAN/DRM				Yes/ Opt/ Opt/ Yes/ Yes			