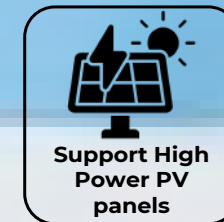
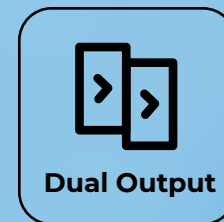
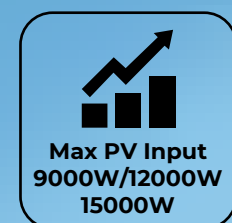




Hybrid Inverter

6 kW / 8 kW / 10 kW **G2S Series**



Technical Data	S6KL1H-G2S	S8KL1H-G2S	S10KL1DA-G2S
PV Input Data			
Max. DC Input Power	9KW	12KW	15KW
MPPT Tracker/Strings	2/1	2/1+2	2/1+2
Max. PV Input Voltage	550V	550V	550V
MPPT Voltage Range	100-430V		
Rated PV Input Voltage	360		
Max. Input Current	18A	18A	18A
Max. Short-circuit Current	18.5A	18.5A/37A	24A/24A/24A
Battery Input Data			
Nominal voltage (Vdc)	48V		
Max. Charging/Discharging Current	120A/120A	160A/160A	200A/200A
Max. Battery Output Power/Duration	6KW	8KW	10KW
Battery Voltage Range	40V-58V		
Battery Type	Lithium or Lead Acid Battery		
Charging Strategy for Li-Ion Battery	Self-adaption to BMS (BMS communication CAN)		
AC Output Data (On-Grid)			
Nominal output power Output to Grid	6kVA/6kW	8kVA/8kW	10kVA/10kW
Max. Apparent Power Output to Grid	6.6kVA	8.8kVA	10kVA
Nominal Voltage Range	180-250Vac		
Output Frequency	50/60Hz		
Max.AC Current Output to Grid	28.7A	38.3A	43.5A
Output Power Factor	1 (0.8leading...0.8lagging)		
Output THDI	< 3%		
AC Output Data (LOAD)			
Output Voltage Rated	230Vac		
Nominal Output Frequency	50/60Hz		
Output THDU	< 3%		
Peak output power	≥110%, 10mins; ≥120%, 1min; ≥130%, 1s; ≥150%, 100ms		
Efficiency			
Europe Efficiency	≥96.5%		
MPPT Efficiency	99.9%		
Battery Charge/Discharge Efficiency	95.6%		
DC. Max. Efficiency	97.2%		
Protection			
	PV reverse polarity protection, Anti-islanding protection, Ground fault protection, Leakage current protection, Insulation resistance detection, Backup output short circuit protection, AC under-voltage protection, AC output over-current protection, AC over-voltage protection		
Surge protection	DC Type III / AC Type III		
Over voltage category	DC Type III / AC Type III		
General Data			
Grid and off grid switching time	10ms		
Operating Temperature Range	-25 ~ +60°C		
Relative Humidity	0-95% (Non condensing)		
Operating Altitude	0~2000m (Derating over 2000m)		
Ingress Protection	IP66		
Weight	22kg	25.8kg	
Size (Width*Depth*Height)	454*200*467mm/ 454*200*499.7mm	484*200*467mm/ 484*200*499.7mm	486*231*530mm/
Cooling	Dual Cooling Fan		
Noise emission	<55dB		
Display	Color screen		
Communication With RS485/Wi-Fi/GPRS/CAN/DRM	possess/optional/optional/possess/possess		
Standby loss	< 15W		
Compliance	UL17415B, IEC62109-11-2, EN61000-6-1 EN 62109-2:2011; EN50549, AS4777.2, VDE0126, IEC61727 VDEEN4105, CE		
Grid connection standards	UL17415B, IEC62109-11-2, EN61000-6-1 EN 62109-2:2011; EN50549, AS4777.2, VDE0126, IEC61727 VDEEN4105, CE		
Pollution degree	II		
Topology	Non-isolated		