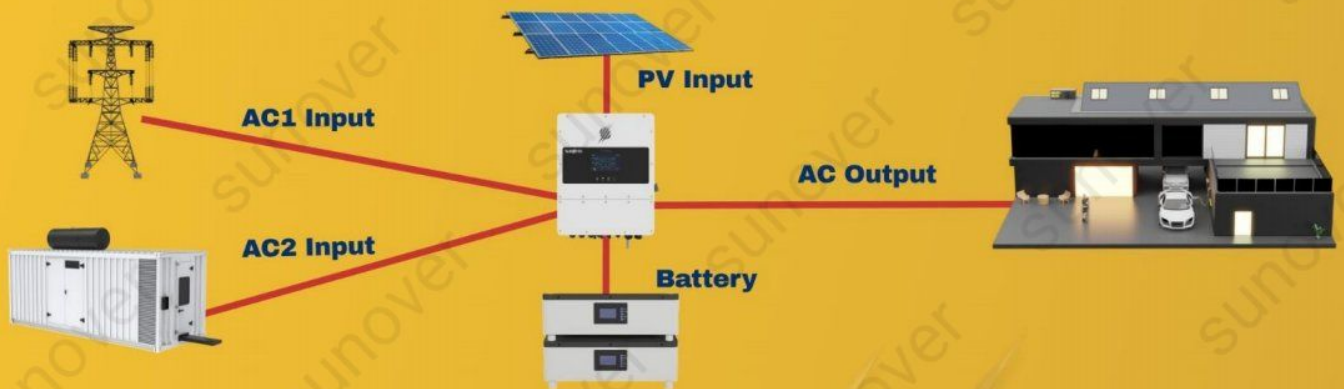




XYLUCK-G-48

Hybrid Solar Inverter

5kw, 6kw, 8kw, 10kw, 12kw, 14kw



- Support parallel connection for different power inverters
- Output of each phase upto 50% of rated power
- Up to 20 pcs inverters connection in parallel (for off grid mode)
- Support on off grid mode switch, EPS output
- Colorful 7-inches LCD, IP65 protection degree
- Support battery charge/ discharge according to the time setting
- Two AC input
- Support storing energy from diesel generator
- Two AC output
- ARC fault detection (optional)

Technical Data

Model	XYLUCK-5G-48	XYLUCK-6G-48	XYLUCK-8G-48	XYLUCK-10G-48	XYLUCK-12G-48	XYLUCK-14G-48
Battery Input						
Battery Type	Lead-acid or Li-Lon					
Battery Voltage Range (V)	40-60					
Max. Charge Current (A)	120	130	200	220	250	280
Max. Discharge Current (A)	120	130	200	220	250	280
Charging Curve	3 Stages/Equalization					
External Temperature Sensor	Optional					
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS					
PV String Input						
Max. DC Input Power (W)	7,500	9,000	12,000	15,000	18,000	20,000
PV Input Voltage (V)	650(160~800)					
MPPT Range (V)	200~700					
Full Load DC Voltage Range (V)	260~650					
Start-up Voltage (V)	160					
PV Input Current (A)	17+17	17+17	17+17	26+17	26+17	26+17
Max. PV Isc (A)	20+20	20+20	20+20	34+20	34+20	34+20
No. of MPPT Trackers	2					
No. of Strings per MPPT Trackers	1+1	1+1	1+1	2+1	2+1	2+1
AC Output						
Rated AC Output and UPS Power (W)	5,000	6,000	8,000	10,000	12,000	14,000
Max. AC Output Power (W)	6,000	7,200	9,600	12,000	13,200	15,400
Peak Power(off grid)	2 times of rated power, 10s				1.8 times of rated power, 10s	
AC Output Rated Current (A)	7.6/7.3	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4	21.1/20.3
Max. AC Current (A)	11.4/10.9	13.6/13	18.2/17.4	22.7/21.7	27.3/26.1	27.6/26.4
Max. Continuous AC Passthrough (A)	30	30	30	50	50	50
Power Factor	0.8 leading to 0.8 lagging					
Output Frequency and Voltage (V)	50/60Hz, 380/400Vac(Triple phase)					
Grid Type	Three phase					
Current Harmonic Distortion	THD<3%(Linear load<1.5%)					
Efficiency						
Max. Efficiency	97.90%					
Euro Efficiency	96.90%					
MPPT Efficiency	99.90%					
Protection						
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection					
PV Arc Fault Detection	Optional					
Output Over Voltage Protection	DC Type II/AC Type III					
Certifications and Standards						
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699,C10-11					
Safety Regulation	IEC/EN62109-1, IEC/EN62109-2					
EMC	IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4					
General Data						
Operating Temperature Range (°C)	-45~60, > 45 Derating					
Cooling	Smart Cooling					
Noise (dB)	≤45					
Communication with BMS	RS485, CAN					
Weight (kg)	38	40	42	44	44	45
Dimensions (mm)	510Wx630Hx290D					
Protection Degree	IP65					
Installation Style	Wall-mounted					