

Single Phase Hybrid Inverter

Jup-3/5/6/8/10G1-LE
Jup-3/5/6/8/10G2-LE



Product Features

- Support different power inverters parallel connection
- Up to 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- Colorful 5-inch touch LCD, IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- ARC fault detection optional

Technical Data

Model	Jup-3G1-LE Jup-3G2-LE	Jup-5G1-LE Jup-5G2-LE	Jup-6G1-LE Jup-6G2-LE	Jup-8G1-LE Jup-8G2-LE	Jup-10G1-LE Jup-10G2-LE	
Battery Input Data						
Battery Type			Lead-acid or Li-ion			
Battery Voltage Range (V)			40~60			
Max. Charge Current (A)		70	120	140	190	210
Max. Discharge Current (A)		70	120	140	190	210
Charging Curve			3 Stages/Equalization			
External Temperature Sensor			Optional			
Charging Strategy for Li-Ion Battery			Self-Adaption to BMS			
PV String Input Data						
Max. DC Input Power (W)		4,500	7,500	9,000	12,000	15,000
PV Input Voltage (V)			370(125~500)			
MPPT Range (V)			150~425			
Start-up Voltage (V)			120			
PV Input Current (A)			26+26			
Max. PV Isc (A)			34+34			
No. of MPPT Trackers			2			
No. of String Per MPPT Tracker		2	2/2	2/2	2/2	2/2
AC Output Data						
Rated AC Output Power and UPS Power (W)		3,000	5,000	6,000	8,000	10,000
Max. AC Output Power (W)		3,600	6,000	7,200	9,600	12,000
Peak Power(off grid)			2 times of rated power, 10s			
AC Output Rated Current (A)		13.04	21.73	26.08	34.78	43.47
Max. AC Current (A)		15.65	26.08	31.3	41.73	52.17
Max. Continuous AC Passthrough (A)		40	50	50	50	60
Power Factor			0.8 leading to 0.8 lagging			
Output Frequency and Voltage			50/60Hz/230Vac(single phase)			
Grid Type			single phase			
Current Harmonic Distortion			THD<3%(Linear load <1.5%)			
Efficiency						
Max. Efficiency			97.90%			
Euro Efficiency			97.00%			
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			
Certification and Standards						
Grid Regulation		CEI 0-21,VDE-AR-N 4105,NRS 097,IEC61727,G99,G98,VDE 0126-1-1,RD 1699,C10-II				
EMC/Safety Regulation		IEC/EN 62109-1 IEC/EN 62109-2,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			CAN, RS485			
Weight (kg)			34/35			
Dimensions (mm)			G1: 514W×749H×291D/G2: 514W×665H×292D			
Protection Degree			IP65			
Installation Style			Wall-mounted			