Single Phase Hybrid Inverter

Jup-5/6/8/10G1-LE
Jup-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 rating
- 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-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)	120	140	190	210
Max. Discharge Current (A)	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)	7,500	9,000	12,000	15,000
Max.PV Input Voltage(V)	500			
PV Input Voltage (V)	370(125~500)			
MPPT Range (V)	125~425			
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
AC Output Data				
Rated AC Output Power and UPS Power (W)	5,000	6,000	8,000	10,000
Max. AC Output Power (W)	6,000	7,200	9,600	12,000
Peak Power(off grid)	2 times of rated power, 10s			
AC Output Rated Current (A)	21.73	26.08	34.78	43.47
Max. AC Current (A)	26.08	31.3	41.73	52.17
Max. Continuous AC Passthrough (A)	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				
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(℃)	-45~60,＞45 Derating			
Cooling	Smart cooling			
Noise(dB)	≤45			
Communication with BMS	CAN, RS485			
Weight (kg)	38.5/38.5			
Dimensions (mm)	G1: 514W×749H×291D/G2: 514W×665H×292D			
Protection Degree	IP65			
Installation Style	Wall-mounted			