

JUP G1 SERIES

3kW&3.6kW&4kW&5kW&6kW&8kW&10kW

MAX. PV INPUT CURRENT
26A+26A

MAX. EFFICIENCY
>97.90%

MAX. PV INPUT POWER
15kW

MAX. BATTERY CHARGING/DISCHARGING CURRENT
210A



PRODUCT FEATURE

- 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-5G1-LE	Jup-6G1-LE	Jup-8G1-LE	Jup-10G1-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,C10-11				
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)	35				
Dimensions (mm)	514W×665H×292D				
Protection Degree	IP65				
Installation Style	Wall-mounted				