

Off Grid Hybrid inverter

Plu-5/6/6.6G1-LE



Product Features

- Up to 20 PCS inverters parallel for off-grid operation
- Charging and discharging current up to 150A
- 5 ms fast switching time
- Adaptive speed adjustment fan
- Super strong inductive load capacity
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- IP65 protection degree long lifespan

Technical Data

Model	Plu-5G1-LE	Plu-6G1-LE	Plu-6.6G1-LE
Battery Input			
Battery Type	Lead acid or Lithium-ion		
Battery Voltage(V)	48(40-60)		
Battery Charge/Discharge Current(A)	110	135	150
Charging Strategy for Li-Ion	Self-Adaption to BMS		
PV Input			
Max.PV Input Power(W)	8000	9600	10600
Max.PV Input Voltage(V)	500		
Start-up Voltage(V)	125		
PV Input Voltage Range (V)	370 (125-500)		
MPPT Input Range(V)	150-425		
Max Operating PV Input Current(A)	18+18		
Max.PV Input Short-Circuit Current(A)	27+27		
No.of MPPT Trackers/No.of Strings per MPPT Tracker	2/1+1		
AC Input/Output			
Rated AC Input/Output Active Power(W)	5000	6000	6600
Max. AC Input/Output Apparent Power(VA)	5000	6000	6600
Peak Power (off-grid)(W)	2 times of rated power, >10S		
Rated AC Input/Output Current(A)	21.7	26.1	28.7
Max.Continuous AC Passthrough(grid to load) (A)	40		
Rate Input/Output Voltage(V)	220/230		
Grid Connection Form	L+N+PE		
Rate Input/Output Grid Frequency/Range	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz		
Power Factor Adjustment Range	0.8 leading-0.8 lagging		
Total Current Harmonic Distortion THDi	THD<3%(Linear load <1.5%)		
Equipment Protection			
Integrated	AC Output Overcurrent Protection,AC Output Overvoltage Protection,AC Output Short Protection,Thermal Protection,DC Terminal Insulation Impedance Monitoring,Ground Fault Current Monitoring,Island Protection Monitoring,DC Input Switch,Residual Current Detection (RCD)		
Surge Protection Level	TYPE II(DC),TYPE II(AC)		
Efficiency			
Max.Efficiency	97.60%		
Euro Efficiency	96.50%		
MPPT Efficiency	99%		
Interface			
Display	LCD+LED		
Communication Interface	RS485,CAN		
Monitor Mode	WIFI		
General Data			
Operating Temperature Range	-40-60°C(>45°C derating)		
Permissible Ambient Humidity	0-100%		
Permissible Altitude	3000m		
Noise	<55dB		
Ingress Protection(IP) Rating	IP65		
Inverter Topology	Non-Isolated		
Over Voltage Category	OVC II(DC),OVC III(AC)		
Cabinet size(W*H*D)(mm)	H450*W305*D165(Excluding connectors and brackets)		
Weight(kg)	13		
Warranty	5 years		
Type of Cooling	Air Cooling		
EMC/Safety Regulation	IEC/ED 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1, IEC/EN 61000-6-3		