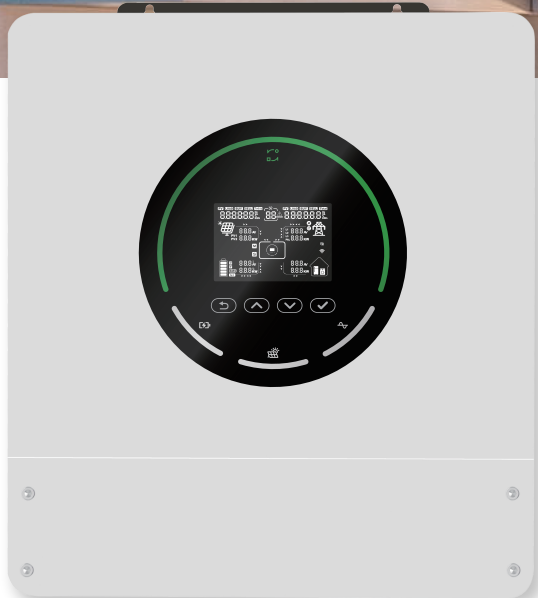










Smart Off Grid Hybrid Inverter

TG6200-48



-  LCD display, IP54 Protection
-  Gapless supplementation from pv, grid, battery smartly
-  Dual ac output
-  Strong lightning protection
-  External CT, zero export limit
-  Max10 unit parallel



Off Grid Hybrid Inverter

Technical Data

Model	TG6200-48
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60
Max. Charging Current (A)	120
Max. Discharging Current (A)	130
Rated Battery Voltage(Vdc)	48
PV String Input Data	
Max. PV Input Power (W)	8000
Max. PV Input Voltage (W)	500
Start-up Voltage (V)	80
MPPT Voltage Range (V)	80-450
Max. Operating PV Input Current (A)	27
Max. Input Short-Circuit Current (A)	35
AC Input(on grid)	
Max AC Input Power (W)	11500
Max. AC Input Current (A)	50
Rated Grid Voltage	220/230/240
Rated Grid Frequency(Hz)	50/60
Acceptable Range	170-280Vac(UPS mode) 90-280Vac(for loads)
Power Factor Adjustment Range	2 times of rated power, 10s
AC Output Data (off grid)	
Peak Power (off-grid)(W)	0.8 leading to 0.8 lagging
Rated Output power(W)	6200
Rated Output Current(A)	28.2
Rated Output Voltage	220/230/240
Total Current Harmonic Distortion THDi	<3% (of nominal power)
Transfer Time	10ms(UPS),20ms(loads)
Efficiency data	
Max. Efficiency	97.8%
Euro Efficiency	96.5%
MPPT Efficiency	>99%
Equipment Protection	
Integrated	DC Polarity Reverse Connection Protection,AC Output Overcurrent Protection,Thermal Protection, AC Output Overvoltage Protection,AC Output Short Circuit Protection, Grid Monitoring,Island Protection Monitoring, Surge protection level
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Communication Interface	RS485
Monitor Mode	WIFI/Bluetooth/4G
General Data	
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	2000m
Noise (dB)	<30
Ingress Protection(IP) Rating	IP 54
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)	358*420*123
Weight (kg)	13
Type of Cooling	Intelligent Air Cooling
Warranty	3Years
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2