



VOLTAS 12K-H4 / 14K-H4 Dual MPPT-Dual output

Product Features

- Support different power inverters parallel connection
- 100% unbalanced output, each phase max. output up to 50% rated power
- 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- Colorful 7-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

Three Phase Hybrid Inverter

Technical Data

Model	Volats-12K-H4	Volats-14K-H4
Battery Input		
Battery Type	Lead-acid or Li-Lon	
Battery Voltage Range (V)	40-60	
Max. Charge Current (A)	250	280
Max. Discharge Current (A)	250	280
Charging Curve	3 Stages/Equalization	
External Temperature Sensor	Optional	
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS	
PV String Input		
Max. DC Input Power (W)	18,000	20,000
PV Input Voltage (V)	650(160-800)	
MPPT Range (V)	200-700	
Full Load DC Voltage Range (V)	260-650	
Start-up Voltage (V)	160	
PV Input Current (A)	26+17	26+17
Max. PV Isc (A)	34+20	34+20
No. of MPPT Trackers	2	
No. of Strings per MPPT Trackers	2+1	2+1
AC Output		
Rated AC Output and UPS Power (W)	12,000	14,000
Max. AC Output Power (W)	13,200	15,400
Peak PoWer(off grid)	2 times of rated power, 10s	1.8 times of rated power, 10s
AC Output Rated Current (A)	18.2/17.4	21.1/20.3
Max. AC Current (A)	27.3/26.1	27.6/26.4
Max. Continuous AC Passthrough (A)	50	50
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage (V)	50/60Hz, 380/400Vac(Triple phase)	
Grid Type	Three phase	
Current Harmonic Distortion	THD<3%(Linear load<1.5%)	
Efficiency		
Max. Efficiency	97.90%	
Euro Efficiency	96.90%	
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	
Certifications and Standards		
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699,C10-11	
Safety Regulation	IEC/EN62109-1, IEC/EN62109-2	
EMC	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)	44	45
Dimensions (mm)	510W×630H×290D	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 Years	



VOLTAS

6K-H4

8K-H4

10K-H4

Dual MPPT-Dual output

Product Features

- Support different power inverters parallel connection
- 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

Single Phase Hybrid Inverter

Technical Data

Model	Voltas-6K-H4	Voltas-8K-H4	Voltas-10K-H4
Battery Input Data			
Battery Type	Lead-acid or Li-Ion		
Battery Voltage Range (V)	40-60		
Max. Charge Current (A)	140	190	210
Max. Discharge Current (A)	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)	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)	17+17	26+26	26+26
Max. PV Isc (A)	20+20	34+34	34+34
No. of MPPT Trackers	2	2	2
No. of String Per MPPT Tracker	1+1	2+2	2+2
AC Output Data			
Rated AC Output Power and UPS Power (W)	6,000	8,000	10,000
Max. AC Output Power (W)	7,200	9,600	12,000
Peak Power(off grid)	2 times of rated power, 10s		1.8 times of rated power, 10s
AC Output Rated Current (A)	27.3/26.1	34.5/33	45.5/43.5
Max. AC Current (A)	30/28.7	40/38.3	50.0/47.8
Max. Continuous AC Passthrough (A)	40	50	60
Power Factor	0.8 leading to 0.8 lagging		
Output Frequency and Voltage	50/60Hz,220/230Vac(single phase)		
Grid Type	single phase		
Current Harmonic Distortion	THD<3%(Linear load <1.5%)		
Efficiency			
Max. Efficiency	97.90%		
Euro Efficiency	96.90%		
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)	34		
Dimensions (mm)	567W×467H×292D		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 Years		

Battery Pack

MAXPOWER MP 5000



Product Features

- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- Support Max. 15pcs batteries in parallel
- Higher usable energy ratio, less self-consumption
- Without toxic heavy metal or caustic materials

Technical Data

Model	CE48100-R
Nominal Energy (Wh)	5,120
Usable Energy (Wh)	4,600
Nominal Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	40-58.4
Standard Charge Current (A)	50
Standard Discharge Current (A)	50
Max. Charge Current (A)	50
Max. Discharge Current (A)	100
Max. Parallel Quantities	15
Operation Temperature	Charge Temperature: 0°C-55°C Discharge Temperature: -20°C-55°C
Working Humidity	20-80%RH (No condensing)
Protection Degree	IP20
Dimension (mm)	435W×450D×177H
Net Weight (kg)	52
Installation	Rack mounted
Certification	CE, UN38.3, IEC62619
Communication	CAN, RS485
Lifetime	6,000 Cycles@80% DOD
Warranty	5 Years