



IGrid-VX-IV series

All in one solar charger

IGrid-VX-IV-5.6KW-Wifi



/ Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

/ Safety

- 360 degrees of security from hardware to software
- With IEC, SAA, cETL, FCC certification

/ all in one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

/ Reliable

- Outputs high-quality pure sine wave AC power
- Support parallel connection up to 30kW

/ User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

/ Intelligent

- Exclusive Li-ion battery BMS dual activation
- Single/Three phase output at the same time

Model	IGrid-VX-IV-5.6KW-Wifi	Adjustable
Battery Input		
Battery type	Sealed, Flood, GEL, LFP, Ternary	√
Rated Battery Input Voltage	48V (Minimum Startup Voltage 44V)	
Hybrid Charging Maximum Charging Current	100A	√
Battery Voltage Range	40Vdc~60Vdc ± 0.6Vdc(Undervoltage Warning/Shutdown Voltage/Overvoltage Warning/Overvoltage Recovery...)	√
Solar Input		
Maximum PV Open-circuit Voltage	500Vdc	
PV Working Voltage Range	120-500Vdc	
MPPT Voltage Range	120-450Vdc	
Maximum PV Input Current	22A	
Maximum PV Input Power	6000W	
Maximum PV Charging Current	100A	√
AC Input (generator/grid)		
Mains Maximum Charging Current	60A	√
Rated Input Voltage	220/230Vac	
Input Voltage Range	UPS Mains Mode: (170Vac~280Vac)±2% APL Generator Mode: (90Vac~280Vac)±2%	√
Frequency	50Hz/ 60Hz (Automatic Detection)	
Mains Charging Efficiency	>95%	
Switch Time (bypass and inverter)	10ms(Typical Value)	
Maximum Bypass Overload Current	40A	
AC Output (Backup power)		
Output Voltage Waveform	Pure Sine Wave	
Rated Output Voltage (Vac)	230Vac	√
Rated Output Power (VA)	5600	
Rated Output Power(W)	5600	
Peak Power	10000VA	
On-load Motor Capacity	4HP	
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz	√
Maximum Efficiency	>92%	
No-load Loss	Non Energy-saving Mode: ≤50W Energy-saving Mode: ≤25W (Manual Setup)	
AC Output (Grid)		
Rated Output Power (VA)	5600	
Max. apparent power (VA)	5600	
Max. output current (A)	24	
THDI	< 3%	
Rated voltage(V)	230Vac	
Frequency	50Hz/60Hz	
General		
Number of parallel/split phases	1-6PCS	
Certificate	CE(IEC62109-1)/CETL(UL 1741 C22.2 NO.107.1)/FCC/SAA	
EMC Certification Level	EN61000, C2	
Working Temperature Range	-10°C ~ 55°C	
Storage Temperature Range	-25°C ~ 60°C	
Humidity Range	5% to 95%(Conformal Coating Protection)	
Dimensions	426mm*322mm*124mm	
Weight (KG)	10.5	