

SINGLE PHASE ON/OFF-GRID SOLAR INVERTER

单相离、并网逆变器

INV 12000-48



MAX.PV 15KW
最大光伏功率15KW



Built-in 80A Solar Charger
光伏充电80A



Wide MPPT Range 60-450V
光伏工作电压范围60-450V

DUAL Dual AC Output



Feed-in to Grid
支持并网



WiFi Monitoring
支持wifi监控

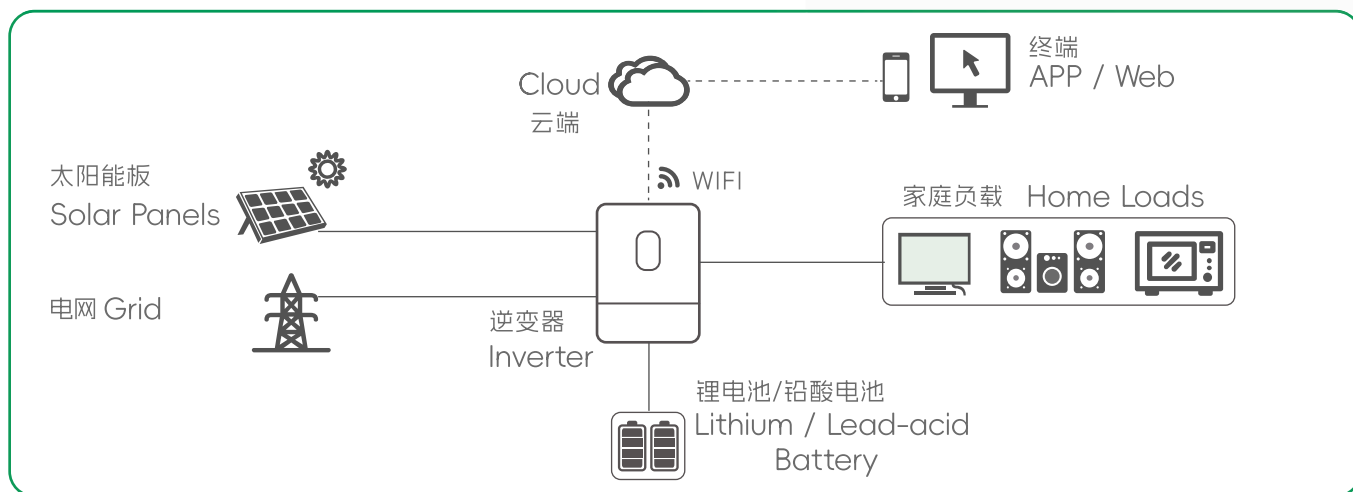
BMS

Support Lithium/Lead-acid Battery
支持锂电或铅酸电池



Lithium Battery Activation
支持锂电池激活

系统图 System Diagram



规格参数Specifications Parameter

型号Model	INV 12000-48
交流输入AC input	
额定输入电压Rated input Voltage (VAC)	220/230V240; L+N+PE
电压范围Voltage Range (VAC)	90-280+3 (normal mode); 170-280+3 (UPS mode)
频率Frequency (Hz)	50/60(Auto Adaptive)
交流输出AC Output	
额定容量Rated Capacity (KW)	12
浪涌功率Surge Power (kVA)	24
电压Voltage (AC)	220/230/240
功率因数Power Factor	1
频率(PF)Frequency	50/60Hz+0.1%
切换时间Switch Time (ms)	10(APP/UPS mode), 20(GEN mode)
波形Wave Form	Pure Sine Wave
过载能力Overload Capacity (Battery Mode)	1min@102%-125%Load ; 10s@>125%Load
最大效率Max. Efficiency (Battery Mode)	94%@48VDC
并机数量Parallel Quantity	NA
充电Charger (PV / AC)	
太阳能充电类型Solar Charger Type	Dual MPPTS
最大PV输入电流/输入功率 Max PV input Current / input Power	Using One MPPT: 27A9KW Using Two MPPTs: 22.5A/Per MPPT, 15kW/Total
MPPT范围@工作电压MPPT Range@Operating Voltage (VDC)	60-450
最大光伏开路电压Max PV Open Circuit Voltage (VDC)	500
最大光伏充电电流Max PV Charge Current (A)	160
最大交流充电电流Max AC Charge Current (A)	160
最大充电电流Max Charge Current (PV+AC) (A)	160
电池Battery	
额定电压Rated Voltage (VDC)	51.2
浮充电压Floating Charge Voltage (VDC)	56
过充电保护Overcharge Protection (VDC)	58.4
电池Battery	Lithium and Lead-acid
界面Interface	
人机界面HMI	LCD
界面Interface	RS232/RS485/USB
监控Monitoring	WiFi (optional: none/ built-in / external)
一般信息General Data	
防护等级Ingress Protection	IP21
工作温度Operating Temperature	-10℃-60℃
相对湿度Relative Humidity	5%~95% (Non-condensing)
储存温度Storage Temperature	-15℃~60℃
净重/毛重 (NW/GW)Kg	15.1/17.1
产品尺寸 Products Size(W*H*D)mm	425x495x132mm
包装尺寸 Package Size(W*H*D)mm	551x491x191mm
最大工作海拔 Max. Operating Altitude	4000m(Derating above 1000m)