

Split Phase 120V/240V

Energy Storage Hybrid Inverter

Low Battery Voltage

Product features:

Safe & reliable

- Complete functional protection measures;
- All input and output interfaces have circuit breakers or isolation switches

Friendly & flexible

- LCD or touch panel are optional;
- Support diesel generator connection;
- Support the parallel function;
- 4 MPPT trackers;

Intelligent & efficient

- Max. charging/discharging current up to 250A;
- Multiple working modes are optional;
- Support WIFI, GPRS, 4G, APP;



Technical specification:

Technical Data	J10KLNA
PV Input Data	
Max. DC Input Power	15kW
NO. MPPT Tracker	4
MPPT Range	120 – 500V
Max. DC Input Voltage	500V
Full power operating voltage range	120-430V
Max. Input Current	14A
Max. Short Circuit Current	22A
Battery Input Data	
Nominal voltage (Vdc)	51.2V
Max. Charging/Discharging Current	190A/210A
Battery Voltage Range	40-60V
Battery Type	Lithium and Lead Acid Battery
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
AC Output Data (On-Grid)	
Nominal output power Output to Grid	10kVA
Max. Apparent Power Output to Grid	11kVA
Output Voltage Range	110-120/220-240V split phase, 10, 230 1 phase 208/220 Three-phase
Output Frequency	50/60Hz (45 to 54.9Hz / 55 to 65Hz)
Nominal AC Current Output to Grid	41.7A
Max. AC Current Output to Grid	45.8A
Output Power Factor	0.8leading...0.8lagging
Output THDI	< 2%
Max. Grid Passthrough Current	100A
AC Output Data (Back-Up)	
Nominal. Apparent Power Output	10kVA
Max. Apparent Power Output	11kVA
Nominal Output Voltage L-N/L1-L2	120/240V
Nominal Output Frequency	60Hz
Output THDU	< 2%
Efficiency	
Europe Efficiency	>=97.8%
Max. Battery to Load Efficiency	>=97.2%
Protection	
Grounding detection	YES
Arc Fault Protection	YES
Island Protection	YES
Battery reverse Polarity	YES
Insulation Resistor Detection	YES
Residual Current Monitoring Unit	YES
Output Over Current Protection	YES
Back-up Output Short Protection	YES
Output Over Voltage Protection	YES
Output Under Voltage Protection	YES
General Data	
Operating Temperature Range	-25 ~ +60°C (> 45°C derating)
Relative Humidity	0-95%
Operating Altitude	0~4000m
Ingress Protection	IP65/Type 3R
Weight	48kg
Size(Width*Depth*Height)	450mm x 240mm x 820mm
Cooling	Natural Convection
Noise emission	<38dB
Display	LED
Communication With BMS/Meter/EMS	RS485 , CAN
Supported communication interface	RS485, WLAN, 4G (optional)
Self-consumption	< 25 W
Safety	UL1741SA all options, UL1699B, CSA 22.2
EMC	FCC Part 15 Class
Grid connection standards	EEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I, II, III