





x2 built-in MPPTs for max DC coupled power of 15,600 W Max AC coupled solar input of 3,000 W Max combined solar input of 18,600 W

> Outdoor rated NEMA 3R

French Cleat for easy installation /

Built-in solar array disconnect

## 12 KW OUTPUT POWER OFF-GRID

Continuous AC power of 12,000 W Supports 380/400/420V (L-L) connections \*Supports 208/230V (L-L) at half output power

### BATTERY AGNOSTIC

Lead Acid or Li-ion battery chemistry support Any battery with nominal DC voltage of 48V 240A continuous battery charging output Closed loop communication w/ most High-End Li Batteries Remote WIFI / Ethernet and local monitoring



### FULL GENERATOR COMPATIBILITY

Full generator compatibility on both GRID & GEN terminals Up to 12 KW generators on GEN terminal Standby generator connection for battery backup Two Wire for automatic generator start



# 12K-3P-L Spec Sheet

# South America & Caribbean



### **Solar String Input Data**

Max Allowed PV Power	15,600W
Rated DC Voltage / Max	550V / 800V
MPPT Voltage Range	200-650V
Starting Voltage / Min Voltage	160V
Number of MPPT	2
Max Solar Strings Per MPPT	2 + 1
Max DC Current per MPPT (A)	26A + 13A
MPPT Efficiency	99.90%

#### **AC Output Data**

Three Phase (3P) [220/380V, 230/400V, 240/420V]
12,000W
18,000W   5S
18.2A / 17.4A
Yes - Up to 8
60/50Hz
45A
97.6%
TBD
Limited to Household/Fully Grid-Tied
Transformerless DC
5ms
+/- 0.8 - 1.0

### **Battery Input Data (Optional)**

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Туре	Lead-Acid or Li-Ion
Nominal DC Input	48V
Capacity	50 — 9900Ah
Voltage Range	40V-60V
Continuous Battery Charging Output	240A
Charging Curve	3-Stage w/ Equalization
Grid to Batt Charging Efficiency	96.0%
External Temperature Sensor	Included
Current Shunt for Accurate % SOC	Integrated
External Gen Start Based on Voltage	Integrated
Communication to Lithium Battery	CanBus & RS485

General	
Dimensions (H x W x D)	27.6 x16.6 x 11.1 in
Weight	76.1 lbs
Enclosure	IP65 / NEMA 3R
Ambient Temperature	-25~60°C, >45°C Derating
Noise	< 45 dB
Installation Style	Wall-Mounted
Wi-Fi & LAN Communication	Included
Standard Warranty	5 Years

Protections & Certifications	
PV Input Lightning Protection	Yes
Grid Sell Back — UL1741-2010/2018, IEE- E1547a-2003/2014	Yes
Anti-Islanding Protection	Integrated
PV String Input Reverse Polarity Detection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output shorted Protection	Integrated
Surge Protection	DC Type II / AC Type II