

Product Model	FR12K-B
Inverter Output	
Rated Output Power	12,000W
Max.Peak Power	24,000W
Rated Output Voltage	120/240 VAC (single-phase/split-phase)
Load Motor Capacity	6HP
Rated Frequency	50/60Hz
Output wave	Pure Sine Wave
Switching Time	10ms (typical)
Parallel Number	6
Overload Protection	<p>After overload protection is enabled, the inverter output will be restored after 3 min, and after 5 times of overload, the output will be off until the inverter is restarted.</p> <p>(102%< load <110%): An error will be reported, and the output will be turned off after 5 min.</p> <p>(110%< load <125%): An error will be reported, and the output will be turned off after 10s.</p> <p>Load > 125%: An error will be reported, and the output will be turned off after 5s.</p>
Battery	
Battery Type	Lithium-ion battery/lead-acid battery/user-defined
Rated Battery Voltage	48Vdc
Voltage Range	40-60Vdc
Max.PV Charging Current	200A
Max.Grid/Generator Charging Current	120A
Max.Hybrid Charging Current	200A
PV Input	
MPPT Channel Number	2
Max. Input Power	6600W+6600W
Max. Input Current	22/22A
Max. Open Circuit Voltage	500Vdc
MPPT Operating Voltage Range	125-425Vdc

Grid/generator Input	
Input Voltage Range	90-140Vac
Input Frequency Range	50/60Hz
Bypass Overload Phase Current	63A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. efficiency of battery inverter	92%
General	
Dimensions	28.7 X 19.1 X 6.7 inches
Weight	61.73lbs(28kg)
Protection level	IP20,for Indoor use only
Ambient temperature	14-131°F,> 113°F derated(-10~55°C,>45°C derated)
Noise	< 60dB
Cooling Mode	Intelligent Fan
Communication	
Built-in Interfaces	RS485 / CAN /USB / Dry contact
External Modules(Optional)	Wi-Fi / GPRS
Certification	
EMC	EN61000-6-1,EN61000-6-3,and FCC15 class B
RoHS	Yes