



Stack-U610

- Batteries can be freely stacked in parallel with 1-3 units
- Supports VPP (Virtual Power Plant) technology
- Supports deep customization
- Ingress Protection(IP)Rating:IP20
- Active balancing is included as standard
- Built-in safety protection devices
- High energy density design,more compact for efficient energy storage
- Supports up to 6 units in parallel on AC side



Split-Phase Off-Grid Stacked ALL-IN-ONE Machine Technical Parameters For The American Grid

Model	Stack-U610
Inverter Specifications	
PV Input	
Number of MPPT Trackers	1
Max. Input Power (W)	9000
Max. Input Current (A)	27
Max. Short-circuit Input Current (A)	40
Max. Open-circuit Voltage (V)	500
MPPT Rated Voltage (V)	375
MPPT Start-up Voltage (V)	100
MPPT Operating Voltage Range (V)	125 ~ 425
Inverter Output	
Rated Output Power (W)	6000
Max. Peak Power (W)	12000
Rated Output Voltage (V)	120/240,110/220
Rated Frequency (Hz)	50/60
Overload Capacity	110% 5min; 200% 5s
Transfer Time (ms)	10ms (Typical value); Max 15ms for single unit
Utility / Generator Input	
Input Voltage Range (V)	90~280
Input Frequency Range (Hz)	50(45~55)/60(55~65)
Bypass Overload Current (A)	45
Battery Connection	
Battery Voltage Range (V)	40-60
Number of Batteries Per Inverter	1 ~ 3
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Tracking Efficiency	99%
Protection	
Integrated Protection	Over-temperature protection, overload protection, short-circuit protection, PV overvoltage protection, PV overcurrent protection, battery overvoltage protection, earth leakage protection, surge protection
Surge Protection Level	DC Type II / AC Type III
Certification	
Overview	UL1741, CSA, FCC
General	
Dimensions (H×W×D) (mm)	472 x 445 x 165
Weight (kg)	16
Ingress Protection (IP) Rating	IP 20
Operating Temperature Range	-10~55 (>45 Derating)
Noise Level @ 1m	≤45 @ 25°C (77°F)
Type of Cooling	Intelligent Air Cooling
Display & Communication	LCD + LED, Wi-Fi /Bluetooth
Battery Specifications	
Battery Energy (kWh)	5.12
Rated Voltage (V)	51.2
Rated Capacity (Ah)	100
Battery Type	LiFePO4
Max. Discharge Current (A)	100
Max. Charge Current (A)	100
Dimensions (H×W×D) (mm)	618 x 445 x 165
Weight (kg)	57

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