

UP-S

Three Phase Power Conversion System



• Features

- Maximum efficiency can reach 97.3%.
- Modular design ,easy for installation and depolymen.
- Bidirectional power conversion system with full fourquadrant operation.
- 62.5kW to 630kW by 1 to 10 power modules.
- Multi-string technology for better battery safety and performance.
- Multiple battery strings working in parallel or independently to allow easy power and energy expansion.
- Grid-support function built-in.
- Optional STS to achieve seamless switching between on-grid and off-grid.

• Applications



Self-Consumption



Off grid



Demand Charge



Back Up



DG+BESS



Micro-grid



Smooth output



Peak Shifting

• Technical Parameter

UP-S Series Power Conversion System						
Model	62.5KW	125KW	250KW	375KW	500KW	630KW
Utility-interactive Mode						
Battery voltage	600~900V					
DC max current	110A	220A	440A	660A	880A	1100A
AC voltage	400V±15%					
Max. AC current	100A	200A	400A	600A	800A	1000A
Nominal power	62.5KW	125KW	250KW	375KW	500KW	630KW
AC frequency	50Hz/60Hz±2.5Hz					
THDi	≤3%					
AC PF	-1~+1					
Stand-alone Mode						
Battery voltage	600~900V					
DC Max Current	110A	220A	440A	660A	880A	1100A
AC output voltage	400V±10%(±10% configurable)					
Max. AC output current	100A	200A	400A	600A	800A	1000A
Nominal AC output power	62.5KW	125KW	250KW	375KW	500KW	630KW
AC max power	68.75KW	137.5KW	275KW	412.5KW	550KW	693KW
Output THDu	< 3 % (Linear load)					
AC frequency	50Hz/60Hz±0.2%					
AC PF	-1~+1					
Other						
Peak efficiency	97.30%					
Protection	Overtemperature protection,AC over/under voltage protection,Over/under frequency protection,Emergency power off,AC phase reverse,Fan/relay failure,Over/under load protection,Ground faultcircuit Interrupter, Anti-islanding					
AC connection	3P4W					
Display	7"color touch screen					
Communication	RS485/CAN/ModBusTCP/IP/CAN/LAN					
Isolation(optional)	Built-in Transformer		Transformer			
Overload Capability	110%: 10min ; 120%: 1min					
Physical						
Cooling	Forced air cooling					
Noise	≤70dB					
Enclosure	IP20/IP54					
Max elevation	3000m/10000ft (>2000m/6500 feet derating)					
Operating ambient temperature	- 20℃~ 50℃ (> 45℃ derating)					
Humidity	0 ~ 95%(No condensing)					
Dimension(W*D*H)	850*2400*1600mm			1400*2400*1600mm		