

UP-S

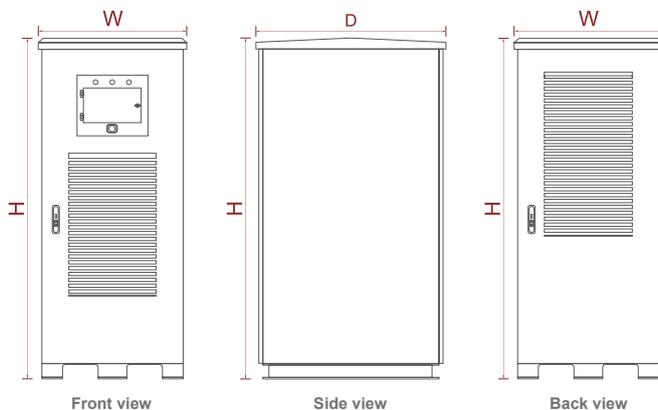
Three Phase Power Conversion System



• Features

- Maximum efficiency can reach 97.5%.
- Modular design ,easy for installation and depolyment.
- Bidirectional power conversion system with full fourquadrant operation.
- 100kW to 500kW by 1 to 5 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/ATS to achieve seamless switching between on-grid and off-grid.

• Product Dimensions



Model	Size(W*D*H)
UP-S-100KW	890*1240*2100mm
UP-S-125KW	
UP-S-200KW	
UP-S-250KW	
UP-S-300KW	
UP-S-400KW	
UP-S-500KW	890*1240*2300mm

Technical Parameter

UP-S Series Power Conversion System							
Model	100KW	125KW	200KW	250KW	300KW	400KW	500KW
DC parametric							
Battery voltage	630-850VDC						
Max. Battery voltage	900VDC						
DC max current	140A	180A	280A	360A	420A	560A	700A
Utility-interactive Mode							
AC max power	110KW	137.5KW	220KW	275KW	330KW	440KW	550KW
PCS module Qty.	100KW*1	62.5KW*2	100KW*2	62.5KW*4	100KW*3	100KW*4	100KW*5
AC frequency	50/60±2.5Hz						
Rated Voltage	380VAC						
AC Voltage Range	340VAC-440VAC						
THDi	≤3% (Rated output)						
Overload Capability	110%(Long-term)						
AC PF/ Adjustment Range	>0.99 (Rated output)/1 (lead) ~ 1 (lag)						
Stand-alone Mode							
Rated output voltage	380VAC						
Output voltage accuracy	±1%						
Max Output Current	140A	180A	280A	360A	420A	560A	700A
Output THDu	<3% (Linear load)						
Rated output frequency	50/60Hz						
Overload Capability	110%(Long-term)						
Crest factor	> 3:1						
General Data							
Peak efficiency	97.5%						
Enclosure	IP54						
Operating temp	-25~55° C						
Humidity	0~95% (No condensing)						
Cooling	Intelligent air cooling						
Noise	<65dB						
Max elevation	2000m(>2000m derating)						
Display	Touch screen(External)						
BMS Communication	RS485, CAN						
Communication	RS232/RS485(Standard),Ethernet						
Dimension(W*D*H)(mm)	890*1240*2100						890*1240*2300
Protection	OTP、AC OVP/UVP、OFP/UFP、AC Phase Reverse、OLP、Anti-islanding						
AC connection	3P4W+PE						
Certification	CE-EMC(EN 61000-6-2/-4) ; CE-LVD(IEC 62477-1 ; EN 50549-1 ; VDE-4105						