



Specifications

Product Name	Vesta-5.0-S		Vesta-6.0-S	Vesta-8.0-S
Model	SI503SENA00		SI603SENA00	SI803SENA00
Efficiency				
Peak efficiency	97.4%			
Input (DC Battery)				
Compatible battery	6.9 kWh to 20.7 kWh			
Battery type	LiFePO4			
Max. charge / discharge power	5040 W	5760 W	7920 W	
Operating voltage range	360 V to 480 V			
Max. operating current	14 A	16 A	22 A	
Input (PV)				
Max. input voltage	600 V DC			
MPPT operating voltage range	80 V to 500 V DC			
Max. input current per MPPT	13.5 A			
Max. short-circuit current per MPPT	20 A			
Number of MPP trackers	2	3	3	
Min. operating voltage	80 VDC			
Input start-up voltage	100 VDC			
Max. input DC power	5800 W	7000 W	9200 W	
AC Port				
AC-output rated output voltage	230 V	230 V	230 V	
Rated output frequency	50 Hz			
AC-output rated output current	21.7 A	26.1 A	34.8 A	
AC-output rated apparent output power	5000 VA	6000 VA	8000 VA	
AC-input rated voltage	230 V	230 V	230 V	
AC-input rated frequency	50 Hz			
General Parameter				
Topology	Transformerless			
Operating temperature range	-25°C to +60°C (derating above 45°C @ rated output power)			
Humidity	0%-95%			
Operating altitude	≤ 4000 m			
Audible noise	< 45 dB (A) @ 1 m			
Protective class	Class I			
Country of manufacture	China			
Communication				
Interface	RS485, Bluetooth			
Mechanical				
Dimensions (W x H x D)	484x400x177 mm			
Weight	17 kg			
Cooling	Natural convection			
Installation type	Wall-mounting			
IP rating	IP 65			
Interface				
Display	LED			
Human machine interface (HMI)	APP, Web portal			
Standards and Compliance				
Safety	IEC62109-1/-2			
EMC	IEC61000-6-1/-3			
Grid connection standard	AS4777.2			