



Vesta is the key device for Smart Home. It manages power flow of Grid, Solar Panel, EV Charger (AC type) and Battery together in one device.



Single-phase and Three-phase Inverter (IEC Standard)



Intelligentize

With versatile energy flow control, assists in shifting into a greener lifestyle and cuts your energy bills



Multi-function

Supports off-grid and various EMS on-grid operations as well as time schedule



One-stop

Provides a total solution that includes green energy generation, storage, charging and consumption



Specifications	Vesta-2.5-S	Vesta-3.6-S	Vesta-4.6-S	Vesta-5.0-S	Vesta-6.0-S	Vesta-8.0-S
Model	SI253SENA00	SI363SENA00	SI463SENA00	SI503SENA00	SI603SENA00	SI803SENA00
Efficiency						
Peak efficiency	97.4%					
Input (DC Battery)						
Compatible battery	7kWh to 40 kWh					
Max. charge / discharge power	2520 W	3960 W	4680 W	5040 W	5760 W	7920 W
Operating voltage range	360V to 480 V					
Max. operating current	7 A	11 A	13 A	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	1	1	2	2	3	3
AC Port (On-grid Mode)						
Max. output power	2800 VA	3960 VA	5000 VA	5500 VA	6600 VA	8800 VA
Grid voltage	220 V / 230 V AC					
Max. AC current	13 A	18 A	23 A	25 A	30 A	37 A
Frequency	45 Hz - 65 Hz					
AC Port (Off-grid Mode)						
Max. output power	2500 VA	3600 VA	4600 VA	5000 VA	6000 VA	8000 VA
AC output voltage	220 V / 230 V					
Max. AC current	13 A	18 A	23 A	25 A	30 A	37 A
Frequency	45 Hz - 65 Hz					
General Parameter						
Topology	Transformer-less					
Operating temperature range	-25 °C to +60 °C (Derating above 45°C @ Rated output power)					
Humidity	0% to 95%					
Operating altitude	≤4000 m					
Audible noise	< 45 dB (A) @ 1m Front					
Communication						
Interface	RS485, Bluetooth, Wi-Fi, 4G (optional)					
Mechanical						
Dimension (W x H x D)	485 x 400 x 172 mm					
Weight	17 kg					
Cooling	Natural convection					
Installation type	Wall - mounting					
Ingress Protection	IP 65					
Interface						
Display	LED					
Human machine interface (HMI)	APP, Web portal					
Standards and Compliance						
Safety	IEC 62109-1/-2					
EMC	IEC61000-6-1, IEC61000-6-3					
Grid connection standards	VDE-AR-N-4105, EN50549-1, CEI-021, RfG2016, NC RfG2018, PTPIREE2021, C10/11, RD1699_BOE, RD413, RD661, UNE 206006, UNE 206007, NTS, UTE C15-712-1, VDE 0126-1-1, VFR 2019, CARE, SEI REF, EIFS:2018, SFS EN50549-1, DANSK_LV:2-21(TRLV+TR3.3.1), RENblad342, CEIO-21, AS4777.2, G99/1-9/10.22, MEA, PEA					



Specifications	Vesta-6-T	Vesta-8-T	Vesta-10-T	Vesta-12-T	Vesta-14-T
Model	SI603TENA00	SI803TENA00	SI104TENA00	SI124TENA00	SI144TENA00
Efficiency					
Peak efficiency	98.1%	98.1%	98.4%	98.4%	98.4%
Input (DC Battery)					
Compatible battery			7kWh to 40 kWh		
Max. charge / discharge power	6210 W	8280 W	10350 W	12420 W	13800 W
Operating voltage range			690 V to 900 V		
Max. operating current	9 A	12 A	15 A	18 A	18 A
Input (PV)					
Max. input voltage			1000 V DC		
MPPT operating voltage range			140 V to 950 V DC		
Max. input current per MPPT			13.5 A		
Max. short-circuit current per MPPT			20 A		
Number of MPP trackers			2		
AC Port (On-grid Mode)					
Max. output power	6600 VA	8800 VA	11000 VA	13200 VA	13800 VA
Grid voltage	220 V AC / 380 V AC, 230 V AC / 400 V AC, L1+L2+L3+N+PE				
Max. AC current	11 A	13.5 A	16.9 A	18.4 A	21 A
Frequency	45 Hz - 65 Hz				
AC Port (Off-grid Mode)					
Max. output power	6000 VA	8000 VA	10000 VA	12000 VA	13800 VA
AC output voltage	220 V AC / 380 V AC, 230 V AC / 400 V AC, L1+L2+L3+N+PE				
Max. AC current	11 A	13.5 A	16.9 A	18.4 A	21 A
Frequency	45 Hz - 65 Hz				
General Parameter					
Topology	Transformer-less				
Operating temperature range	-25 °C to +60 °C (Derating above 45°C @ Rated output power)				
Humidity	0% to 95%				
Operating altitude	≤2000 m				
Audible noise	< 45 dB (A) @ 1 m front				
Communication					
Interface	RS485, Bluetooth, Wi-Fi, 4G (optional)				
Mechanical					
Dimension (W x H x D)			485 x 400 x 172mm		
Weight	17 kg	17 kg	19 kg	19 kg	19 kg
Cooling	Natural convection				
Installation type	Wall - mounting				
Ingress Protection	IP 65				
Interface					
Display	LED				
Human machine interface (HMI)	APP, Web portal				
Standards and Compliance					
Safety	IEC 62109-1/-2				
EMC	IEC61000-6-1, IEC61000-6-3				
Grid connection standards	VDE-AR-N-4105, EN50549-1, CEI-021, RfG2016, NC RfG2018, PTPIREE2021, C10/11, RD1699_BOE, RD413, RD661, UNE 206006, UNE 206007, NTS, UTE C15-712-1, VDE 0126-1-1, VFR 2019, CARE, SEI REF, EIFS:2018, SFS EN50549-1, DANSK_LV:2-21(TRLV+TR3.3.1), RENblad342, CEI0-21				