

Panda

Residential Three-phase Energy Storage System Panda Series
Panda 8000T~15KT-10HS~40HS



The 2.5 KWh module adopted enables variable capacity range of 10-40 kWh.



The switching time between on-off grid less than 10 ms secures Uninterruptable Power Supply for the load.



The Lithium Iron Phosphate (LFP) cell secures safe and reliable operation.



The automatic isolation of the faulty battery module secures smooth system operation.



The APP-based remote monitoring offers easy maintenance and unlimited function expansion.



The built-in Smart Grid Management module enables power grid dispatching.



The Degree of Protection at IP66 makes it suitable for various harsh environments for application.

Panda 8000T~15KT-10HS~40HS

Technical parameters

System Demo



Flexible combination of 4-16 battery modules

System Specification				
Nominal Output Power	8000 W	10 kW	12 kW	15 kW
Capacity Range	10-40 kWh			
Usable Capacity Range	9-36 kWh			
Battery Chemistry	LFP (LiFePO4)			
IP Protection	IP66 (Outdoor)			
Warranty	5 Year Product Warranty			

Inverter Technical Specification				
Model	Venus 8000-T1	Venus 10K-T1	Venus 12K-T1	Venus 15K-T1
Phase	Three Phase			
Max. PV Input Voltage	1000 V			
MPPT Voltage Range	160 V ~ 1000 V			
Max. PV Input Current	16 A			20 A
Max. PV Input Power	12 kW	15 kW	18 kW	22.5 kW
Number of Independent MPPT	2			
Start-up Voltage Range	180 V			
Battery Voltage Range	150 V - 600 V			
Max. Charging/Discharging Current	30 A			
Max. Charging/Discharging Power	8 kW	10 kW	10 kW	10 kW
Nominal Output Voltage on Grid	400V			
Output Voltage Range on Grid	320 V ~ 480 V			
Rated Grid Output Frequency on Grid	45~55Hz / 55~65Hz (comply with local regulations)			
Max.AC output Power	8.8 kW	11 kW	13.2 kW	16.5 kW
Communication	CAN2.0/RS485, WIFI/4G(optional)			
Display	LCD & APP			
Dimension(W*H*D) mm	540 x 450 x228			
Certification	NBT32004, IEC62109, IEC61727, IEC61683, IEC62116			

Battery Technical Specification	
Module Model	Limestone 2.5H-S
Module Capacity	2.5 kWh
Usable Capacity	2.25 kWh
Nominal Voltage	51.2 V
Max. Operating Current	30 A
Operating Temperature Range	-20 ~ +50 °C
Dimension(W*H*D) mm	520x360x140mm
Certification	IEC62619, IEC63056, EN IEC61000-6-1, IEC61000-6-3, EN IEC62040-1, EN IEC62477-1, IEC60529 IP66, UN38.3, MSDS, RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU), ISTA

