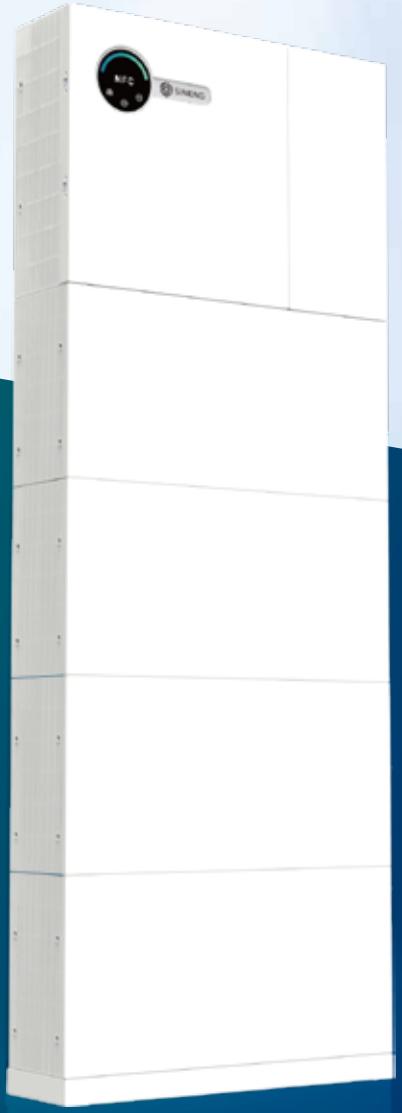
SINENG

HTC SERIES

ENERGY STORAGE SOLUTION



- Power module built-in each battery pack, batteries parallel connection, flexible extension
- Large capacity battery, automotive-grade long-life battery cells, design life up to 10 years
- Stackable module design, quick plug and play between packs, convenient installation
- Intelligent energy planning with the assistance of AI: customers can independently select the power strategy base on different situation
- All-round insulation protection, each battery cell is wrapped by fireproof insulation material,a single battery cell failure does not affect others

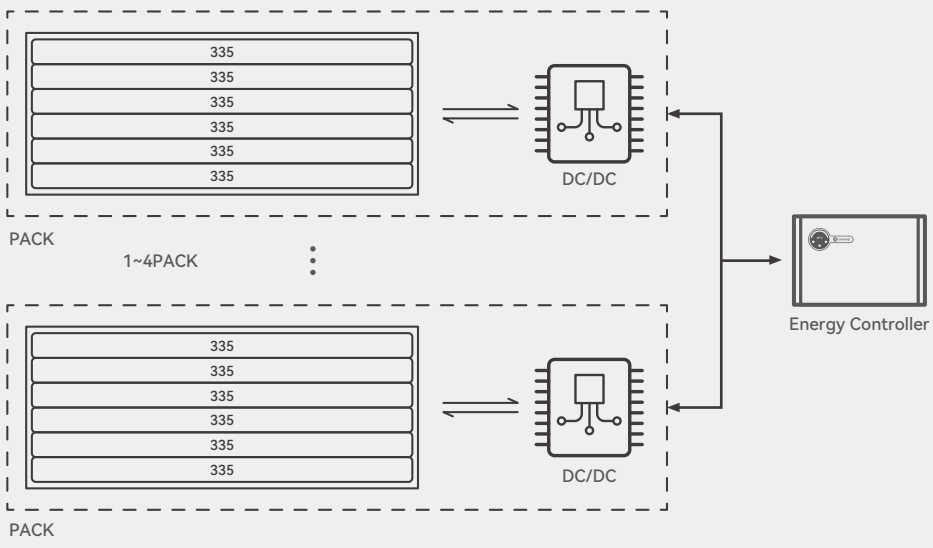
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5.0~15kW Three Phase Energy Controller

Model	SN5.0HTC	SN6.0HTC	SN8.0HTC	SN10HTC	SN12HTC	SN15HTC
Input(PV)						
Recommended max. PV power (STC)	7500W	9000W	12000W	15000W	18000W	22500W
Max. PV input voltage	1000V					
Startup voltage	180V					
Nominal PV input voltage	620V					
MPPT operating voltage range	160V~950V					
Number of PV inputs	2 (2MPPTs, 1/1)		3 (3MPPTs,1/1/1)			
Max. input current per MPPT	18A					
Max. short circuit current per MPPT	25A					
Battery parameter						
Compatible battery modules	Sineng EB series					
Numbers of modules per inverter	1-4					
Rated.charge/discharge power	5000W	6000W	8000W	10000W	12000W	15000W
Grid input/output						
Nominal grid output power	5000W	6000W	8000W	10000W	12000W	15000W
Max. grid output power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. grid output current	8.4A	10.0A	13.4A	16.7A	20.0A	25.0A
Max. input power from grid	22500VA					
Max. input current from grid	34.1A					
Nominal grid voltage	220/380V, 230/400V					
Nominal grid frequency	50/60Hz					
Harmonic (THD)	<3%					
Power factor range	-0.8 ~ 0.8					
Back-up data (EPS mode)						
Rated output power	5000VA	6000VA	8000VA	10000VA	12000VA	15000VA
Peak output power	7500VA@60s	9000VA@60s	12000VA@60s	15000VA@60s	18000VA@60s	18000VA@60s
Switch time to EPS mode	10ms					
Efficiency						
Max. efficiency	98.20%					
EU efficiency	97.30%					
General data						
Dimensions (W*H*D)	750*445*210mm					
Weight	26kg				29kg	
Installation method	Wall-mounted					
Topology	Transformerless					
Protection degree	IP66					
Operating temperature	-25 ~ 60℃					
Humidity	0 ~ 100%					
Cooling method	Natural convection				Smart fan cooling	
Max. operating altitude	4000m					
Communication method	Wifi/4G/Ethernet, RS485, CAN					

6.4~25.7kWh Energy Storage Battery

Model	EB-6.4KWH-HA	EB-12.8KWH-HA	EB-19.2KWH-HA	EB-25.7KWH-HA
Performance specification				
Battery type	LiFePO4			
Total energy capacity	6.4kWh	12.8kWh	19.2kWh	25.7kWh
Nominal voltage	350~440V			
Rated charge/discharge power	3kW	6kW	9kW	12kW
Max. charge/discharge power	90%			
General data				
Weight	68kg	136kg	204kg	272kg
Dimensions (W*H*D)	750*450*235mm	750*850*235mm	750*1250*235mm	750*1650*235mm
Protection degree	IP65 (After stacking is completed)			
Operating temperature range	-10~50℃(Derating occurs when battery cell temperature above 45℃)			
Storage temperature range	-20~50℃			
Relative humidity range	0~95% RH			
Max. operating altitude	4000m			
Installation method	Ground-mounted & Wall-mounted			



SN-SP-S/T Smart Panel

Model	SN-SP-S	SN-SP-T
Grid side		
Type of access to the grid	single phase	three phase
Rated grid voltage on AC side	220/230V	380/400V
AC frequency	50/60Hz	50/60Hz
Grid-side input current	163.7A	150A
Grid-side input power	36000W	99000W
Load side output current	81.9A	150A
Load side output power	18000W	99000W
On-grid side output current	81.9A	100A
On-grid side output power	18000W	66000W
Off-grid side output current	122.85A	150A
Off-grid side output power	27000W	99000W
Charging Post Port		
Maximum number of connections	2	
Rated AC input current	32*2A	34*2A
Compatible charging post power	7000W	11000/22000W
Charging mode	PV Charging, time-sharing, load balancing	
Smart Connection Port (Diesel Generator)		
Rated AC input current	122.8A	150A
Rated AC input power	27000W	99000W
Diesel Generator controlled start-up	Support	
General data		
Dimensions(W*H*D)	500*560*150mm	
Weight	20kg	23kg
Installation method	Wall-mounted	
Protection degree	IP54	
Storage temperature range	-40℃~70℃	
Operating temperature range	-25℃~55℃	
Operating humidity range	0-95%	
Cooling method	Natural convection	
Max. operating altitude	2000m	
Communication method	RS485、DI/DO Dry Contact	

