

INTELLIGENT ENERGY STORAGE SYSTEM SOLUTION

HY-4K-EU / HY-4.6K-EU / HY-5K-EU / HY-5.5K-EU / HY-6K-EU + ESS-Wall-5K



■ Battery Parameters



Model	ESS-Wall-5K
Nominal Capacity	5.12kWh
Voltage	51.2V
Charge Voltage	57.6V
Discharge Voltage Range	45-57V
Max.Charging Current	40A
Max.Output Power	3840W
DOD	90%
Modules Connection	1-8 in parallel
Cycle Life	≥6000 @25°C,0.5C
Storage Temperature	-20°C~+35°C
Working Temp Range	Charge: 0°C~+55°C;Discharge: -10°C~+55°C
Gross Weight	52.5kg/115lb



■ Single Phase ESS Hybrid Inverter

MODEL	HY-4K-EU	HY-4.6K-EU	HY-5K-EU HY-5.5K-EU	HY-6K-EU
OFF-GRID OUTPUT				
Rated Output Power	4,000W	4,600W	5,500W	6,000W
Rated Output Voltage	230Vac, single-phase or three-phase when in parallel			
ON-GRID OUTPUT				
Rated Output Power	4,000W	4,600W	5,500W	6,000W
Max.Apparent Voltage	8,000VA	9,200VA	11,000VA	12,000VA
Rated Output Current	17.4A	20A	24A	26A
Max.Output Current	19.1A	22A	26.4A	28.6A
Rated Output Voltage	230Vac, single-phase or three-phase when in parallel			
BATTERY				
Battery Type	Lead-acid / Li-ion / Uaer-defined			
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40~60Vdc			
Max.Utility Charging Current	60A			
Max.Generator Charging Current	60A			
Max.Hybrid Charging Current	100A			
PV INPUT				
Num.of MPPT	2			
Max.PV Array Power	3000W+3000W	3500W+3500W	4000W+4000W	4500W+4500W
Max.Input Current	16A+16A			
Max.Open-circuit Voltage	500Vdc+500Vdc			
UTILITY / GENERATOR INPUT				
Input Voltage Range	90~280Vac			
Input Frequency Range	50/60Hz			
Bypass Overload Current	40A			
GENERAL				
Num. of Parallel	1 ~ 6 units			
Dimensions	556*345*182mm			
Weight	20kg			
Protection Degree	IP65			
Operating Temp. Range	-25~60°C, >45°C derating			
Cooling Method	heatsink & intelligent air cooling			
Warranty	5 years			
COMMUNICATION				
Internal Interface	RS485 / CAN / USB / Dry contact			
External Module(optional)	Wi-Fi / GPRS			