

KW-SHF144-30H
KW-SHF261-125H
DIESEL HYBRID



Versatile Power Switching

Effortlessly switch between Grid, Solar PV, or Generator modes for optimal energy management and user control

Robust Battery Technology

Equipped with Lithium Iron Phosphate (LiFePO4) batteries, ensure high performance with 8000 cycle warranty

Efficiency

Optional DC-coupled design for higher round-trip efficiency, perfect for small to medium commercial users seeking a turnkey solution

Safety

Adopt an aerosol fire extinguishing solution and air conditioning used to control the cell temperature

Real-Time Monitoring

Comes with a 24h cloud-based platform for monitoring and management, accessible on multiple devices

KW-SHF144-30H
KW-SHF261-125H



Battery Input	KW-SHF144-30H		KW-SHF261-125H	
Cell Type	LFP			
Rated Voltage	460.8V		832V	
System Configuration	1P144S		1P260S	
Voltage Range	360~525.6V		650~949V	
Nominal Energy	144.69kWh		261.24kWh	
Max. Charging/Discharging Current	70A*2		100A*2	
PV Input	KW-SHF144-30H		KW-SHF261-125H	
PV Input Power Max.	60kW		250kW	
Max. Input Voltage	1000V		1000V	
Start-up Voltage	180V		180V	
MPPT Voltate Range	150~850V		150~950V	
MPPT Number	3		10	
MAX. Input Current	40A		42A	
AC Output	KW-SHF144-30H		KW-SHF261-125H	
Rated Power	30kW		125kW	
Rated Grid Voltage	400V/230V/,3/N/PE			
Rated Frequency	50/60Hz			
Power Factor	0.8leading~0.8lagging			
THDi	<3%			
General	KW-SHF144-30H		KW-SHF261-125H	
Cycle Life	≥8000 Cycles @80% DOD 25 ℃			
Ingress Rating	IP54			
Cooling	Foece Air Cooling			
Operating Temperature	-25~55 ℃			
Humidity	≤95%RH			
Firefighting	Aerosol,Perfluoro(optional)			
Dimension(W*H*D)	1580*1700*1250mm		1200*2300*1450mm	
Weight	Approx. 2100kg		Approx. 3061kg	
Compliance	UN38.3/CE-EMC/IEC62619/IEC 62477/IEC 63056			

