

High Voltage LiFePO₄ Battery + Hybrid Inverter

15.36KWH~35.84KWh

ALL-IN-ONE



Battery

Total Energy	15.36KWh	20.48KWh	25.6KWh	30.72KWh	35.84KWh
Battery Module	5.12KWh,51.2V. ≈44.5Kg				
Module Number	3	4	5	6	7
Max Charging current	50A				
Max Discharging current	50A				
Rated Voltage	153.6V	204.8V	256V	307.2V	358.4V
Work Voltage	132~173V	176~230V	220~288V	264~345V	308~403V
Product Size	540*430*1250mm	540*430*1390mm	540*430*1530mm	540*430*1670mm	540*430*1810mm
Battery Weight	206.5kg	251kg	295.5kg	340kg	384.5kg
Working temperature	Charge: 0℃~55℃ Discharge: -20℃~60℃				
Cell Material	LiFePO ₄				
Communication	CAN/RS485/RS232 high voltage battery BMS communication protocol				
Protection grade	IP54				

Hybrid inverter technical specifications

Input DC(PV)

Model	R6KH3	R8KH3	R10KH3	R12KH3	R15KH3
Max.PV Input Power(kW)	9	12	15	18	22.5
Max.PV Voltage(V)	1000				
MPPT Voltage Range(V)	180~850				
Full Power MPPT Voltage Range(V)	250~850	330~850	430~850	510~850	425~850
Start-up Voltage (V)	125				
Max.Input Current Per MPPT(A)	13/13	13/13	13/13	13/13	13/13
Max.short-circuit Current(A)	16/16	16/16	16/16	16/16	16/16
Number of MPPT Rackers	2				
MPPT Number/ Max.Input Strings Number	1/1	1/1	1/1	1/1	2/2
Rated Input Voltage(V)	700				

AC Output Data(on-grid)

Model	R6KH3	R8KH3	R10KH3	R12KH3	R15KH3
Nominal Output Power to Grid(kVA)	6	8	10	12	15
Max.Apparent Power to Grid(kVA)	6.6	8.8	11	13.2	16.5
Max.Apparent Power from Grid(kVA)	13.2	17.6	22	26.4	33
Max.Apparent Current from Grid(A)	19.1	25.5	31.8	38.2	47.6
Nominal Output Current to Grid(A)	8.7	11.5	14.4	17.3	21.7
Max.Output Current to Grid(A)	9.5	12.7	15.9	19.1	23.8
Nominal Grid Voltage(V)	380/400, 3W+N+PE				
Nominal Grid Frequency(Hz)	50/60				
THDi	<3%				

EPS Data(back up)

Model	R6KH3	R8KH3	R10KH3	R12KH3	R15KH3
Nominal Output Power (kVA)	8	8	10	12	15
Max. Apparent Power (kVA)	8.8	8.8	11	13.2	16.5
Nominal Output Current (A)	8.7	11.5	14.4	17.3	21.7
Max.Output Current (A) Nominal Output	9.5	12.7	15.9	19.1	23.8
Voltage (V)	400,3W+N+PE				
Nominal Output Frequency (Hz)	50/60				
THDu	<2%				
Max.Efficiency	97.9%	97.9%	97.5%	97.5%	97.8%
Europe Efficiency	97.2%	97.2%	97.5%	97.5%	97.8%
MPPT Efficiency	99.9%				
Max.Battery Charge/ Discharge Efficiency	97.5%	97.5%	97.5%	97.6%	97.8%

Product Features :



High end villa



Communication base station



Nomadic Farm



Residential electricity



Compatible with various battery connections such as lead-acid and lithium-ion batteries



Equipped with battery reverse protection and compatible with anti reverse current function



Support diesel generator connection



Support first class load priority power supply



IP65 protection level, low noise<35dB



Supports full power discharge and automatic management of battery charging and discharging