



KADLU MAX

Features:

- Automatic parallel configuration
- Black start - automatic startup after a power outage
- Wide range of inverter capability, from 260V - 750V
- Compatible with wide range main-stream inverters, various protocols embedded
- Embedded high accurate SoC / SoH algorithm
- Indoor operation only (IP20)



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Battery System Cabinet Parameter

Key Item	S6	S7	S8	S9	S10	S11	S12
Battery Model	LFP						
Controller Model	HVC1000						
System Model	KMAX300	KMAX350	KMAX400	KMAX450	KMAX500	KMAX550	KMAX600
Total Rated Energy [kWh]	30.72	35.84	40.96	46.08	51.2	56.32	61.44
Usable Capacity [kWh]	25.99	30.3	34.65	38.98	43.31	47.65	51.98
Pack Model	KMXH10051C20						
Rated Capacity [Ah]	100						
Recommend Depth of Discharge (DoD)	80%						
Max Depth of Discharge	100%						
Module configuration	6 Series	7 Series	8 Series	9 Series	10 Series	11 Series	12 Series
Rated Voltage [Vdc]	307.2	358.4	409.6	460.8	512	563.2	614.4
Operating Voltage Range [Vdc]	268.8 ~ 350.4	313.6 ~ 408.8	358.4 ~ 467.2	403.2 ~ 525.6	448 ~ 584	492.8 ~ 642.4	537.6 ~ 700.8
Battery Max Continuous Charge/Discharge Power [kW]	15.36	17.92	20.48	23.04	25.6	28.16	30.72
SOC of Transportation	50-60%						
Charging Temperature [°C]	0 ~ 55						
Discharging Temperature [°C]	-20 ~ 55						
Storage Temperature [°C]	-20 ~ 55						
Working Humidity	20-80%						
Standard Max Continuous Charging Current [A]	50						
Standard Max Continuous Discharge Current [A]	50						
Peak Current [A]	70						
IP Rating	IP20						
Maximum Altitude	≤2000 m						
Recommended Indoor/Outdoor Usage	Indoor						
Dimensions [mm] (W x D x H)	550 x 635 x 1780						550 x 635 x 2027
Weight [kg]	350	395	440	485	530	575	620
Communication	CAN/RS485/LAN						
Parallel connection	≤10 clusters						

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Battery Module Parameters

Technical Specifications	
Model	KMXH10051C20
Module energy [kWh]	5.12
Cells	LFP Lithium Battery
Battery Module Voltage [Vdc]	51.2VDC
Battery Module Capacity [Ah]	100
Standard Charging current [A]	50
Max. charging, discharging current [A]	70 (with special setup)
Cell balancing	Passive Battery Optimizer
Cycles	6000 @ 80% DOD / 80% SOH/ 25 °C +/-2°C 0.5C/0.5C
Efficiency (Battery)	~97%
Operating voltage [V]	44.8 ~ 58.4
Operating temperature[°C]	-20 ~55
Sea level[A]	≤ 2 000 m above sea level N.N.
IP Grade	IP20
Weight [kg]	~ 45 kg
Dimensions [mm] (W x D x H)	440x530x132mm
Appearance color	Black, RAL9011(White RAL9016 optional, there are MOQ requirements)
Certificates/Norms Cells:	IEC 62619, UL 1642, UN 38.3
Module:	IEC62619, IEC61000, IEC62477, UN 38.3
Battery Cable Type	≥25mm ² /AWG4