

iCube Hybrid Series

50kW/120kWh Liquid-cooling 0.5P



🛡️ Ultimate Safety

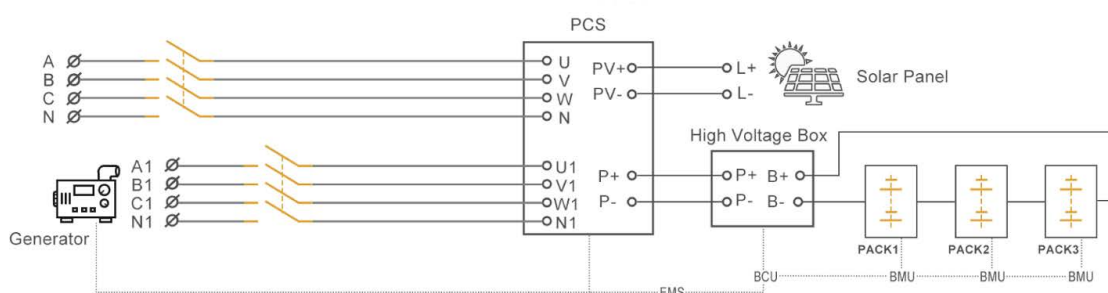
- PACK level and system level fire protection;
- High safety LFP 314Ah cell;
- Four levels of protection to ensure electrical safety.

🔗 Configuration Flexibility

- Modular design, integrates BESS, PV and diesel generator connection unit;
- 4 MPPTs and up to 40A input current;
- Supports up to 10 machines in parallel.

🔧 Intelligent and Efficient

- High energy density, high charge/discharge efficiency;
- Real-time remote control of EMS regulation optimization;
- Multiple application scenarios, such as off-grid, micro-grid, small C&I and residential.



Product Model	iCube Hybrid Series
Battery Parameters	
Battery Type	LFP
Battery Specification	3.2V/314Ah
Battery Series-parallel Connection	1P120S
Charge/Discharge Rate	0.5P
Rated Energy	120.576kWh
Rated Voltage	384V
Voltage Range	336-432V
Cooling Method	Liquid Cooling
Cycle Times	6000 @80% SOH/25°C/0.5P
DC Side Parameters	
Recommended Maximum PV Module Power	100kW
Maximum Input Voltage	1000V
Rated Input Voltage	600V
Start-up Voltage	180V
MPPT Voltage Range	150~850V
Number of MPPTs/Maximum number of Input Strings	4/8
Maximum MPPT Input Current	4*40A
AC Side Parameters	
Rated Power	50kW
Total Current Waveform Distortion Rate	≤3%
Maximum Output Current	76A/72.2A
Rated Voltage	3/N/PE,220/380V.230/400V
Rated Frequency	50/60Hz
Power Factor	>0.99(0.8 ahead ...0.8 lagging)
System Parameters	
Operating Temperature Range	-20~55°C
Operating Humidity Range	0~95%RH,No Condensation
Maximum Working Altitude	2000m
Ingress Protection	IP55
Anti-corrosion Grade	C3
Fire Protection System	Aerosol Fire Extinguishers
Communication Interface	RS485/CAN
Dimensions(W*D*H)	1415*1350*1700mm(not include corner codes)
Net Weight	1588+5kg



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