

Product Feature >>>

358.4V/280AH

50kw/100kwh



Safe and reliable

High-performance battery core, cycle life >6000 times; built-in lightning protection, high-precision leakage protection; two-stage fire extinguishing system to eliminate safety hazards in time.



All-in-one design

180V-1000V ultra-wide PV voltage input, integrating PV & energy storage system; small footprint, IP54 protection level, easy to cope with outdoor installation environment.



Practical and convenient

Modular design supports parallel connection of multiple machines, and the power capacity can be expanded; the off-grid inverter has an external plug-in design, making installation and maintenance more convenient.






Smart and friendly

Intelligent monitoring supports remote & local USB upgrades; supports multiple application scenarios such as spontaneous self-use, peak and valley arbitrage, and backup power supply.



Product Data Sheet >>>

MODEL	iESS-Cube 100
Battery Data	
Battery type	LiFePO4
Battery Cell capacity	3.2V/280Ah
Battery Cell combination	1P112S
Nominal capacity	100.35kWh
Rated voltage	358.4V
Voltage rage	DC 280-408.8V
Max charge/discharge current	Rated 0.5C
DOD	95%
Cooling method	Fan Cooling
AC Output	
AC side rated power	50kW
Maximum apparent power on AC side	50kVA
Current total harmonic distortion rate	<3%
DC component	<0.5%
AC side rated voltage	AC380/400V
Allowable grid voltage range	320V-460V
Communication access method	3P+N+PE
Rated grid frequency	50/60Hz
Power factor range	1(lead)~1(lag)
System Data	
Dimensions(WxDxH)	1550*1280*1812mm
Weight	1.5t
Protection grade	Ip54
Anti-corrosion grade	C4
Operating temperature	30°C~50°C
Relative humidity	<100%
Temperature control	Industrial grade temperature controlled air conditioner
Fire protection	Aerosol
Altitude	<3000m
PCS cooling method	Temperature controlled forced air cooling
Communication protocol	MODBUS /Rs485
Communication interface	RJ45

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