

NEW

直流1500V/交流690V系列 源网侧储能系统

组串式液冷交流舱，具备并网/离网功能，可灵活匹配直流舱，有效解决直流舱木桶效应及环流问题，实现对电池的充放电功能。组串式液冷PCS匹配，单台功率420kW，功率模块积木搭建，交流侧功率高达3.36MW，友好适配多厂家600Ah+电芯，一簇一管理，可适配2H/4H源网侧储能系统。

600Ah+电芯 ✓

功率模组灵活搭建 ✓



液冷交流一体舱（3.36MW）

产品参数

型号简称

JTES-AC3360K-W(组串式液冷交流一体舱)

直流侧参数

最大输入电压	1500V
最大直流电流	400A/ 台
直流电压范围	1050-1500V

电网侧参数（并网）

额定功率	420kW/ 台
最大功率	420kW*8=3.36MW
电网电压	690V (-12% ~ +10%)
电网连接类型	3P+PE
额定交流电流	352A/ 台
额定电网频率	50Hz/60Hz (±3Hz)
额定功率下 THDi	< 3.0%
直流分量	< 0.5%
功率因数	> 0.99 (额定功率) / -1 ~ +1

电网侧参数（离网）

输出额定功率 max	420kW*8=3.36MW
输出额定电压	690V
额定电网频率	50Hz / 60Hz
额定功率下 THDu	< 3.0% (线性负载)

系统特性

最大转换效率	98.80%
冷却方式	液冷 (50% 乙二醇 +50% 水)
通讯接口	CAN / Ethernet/ RS-485
允许环境温度	-30℃ ~ +60℃
允许相对湿度	0% ~ 95% (无冷凝)
入口不降容水温	50℃
海拔高度	4000m (>2000m 降额)
噪音	< 75dB (距离设备水平位置 1m 处)
安装方式	机架式 (≤ 8 台)
认证标准	UL1741, IEEE1547, IEC/EN62477, G99

机械参数

外形尺寸	H336mm x W450mm x D1249mm(PCS) H2400mm x W1950mm x D2200mm(交流舱)
重量	2000kg
防护等级	IP54/ 水机 IP20

NEW

1500V DC/690V AC Grid-Connected Energy Storage System

String-type liquid-cooled AC cabinet, grid-tied/off-grid compatible, flexibly matching DC cabinets. Solves barrel effect and circulating current issues, enabling battery charge/discharge. With 420kW string-type liquid-cooled PCS, modular design, up to 3.36MW AC output. Compatible with >600Ah cells, cluster-level management, suitable for 2H/4H grid-tied energy storage systems.

600Ah+ cells



Modular power construction



Liquid-cooled AC cabinet (3.36MW)

PARAMETER LIST

Model JTES-AC3360K-W(String Liquid-cooled AC Integrated Cabinet)

DC PARAMETERS

Maximum DC Voltage	1500V
Maximum DC Current	400A per unit
Battery Pack Voltage Range	1050-1500V

AC PARAMETERS (On-Grid)

Rated power	420kW per unit
Maximum AC Power	420kW*8=3.36MW
Rated Grid Voltage	690V (-12% ~ +10%)
Grid Connection Type	3P+PE
Rated AC Current	352A per unit
Rated Grid Frequency	50Hz/60Hz (±3Hz)
THDi At Rated Power	< 3.0%
DC Component	< 0.5%
Power Factor Range	>0.99 (Rated power) / -1 ~ +1

AC PARAMETERS (Off-Grid)

Rated power max	420kW*8=3.36MW
Rated Grid Voltage	690V
Rated Grid Frequency	50Hz / 60Hz
THDu At Rated Power	< 3.0%(linear load)

SYSTEM CHARACTERISTICS

Maximum Efficiency	98.80%
Cooling	Liquid (50% Ethylene glycol+50% water)
Communication	CAN / Ethernet/ RS-485
Operating Temperature range	-30°C ~ +60°C
Relative humidity	0% ~ 95% (No condensation)
Maximum Inlet Temperature	50°C
Maximum Altitude	4000m (Derating >2000m)
Noises	< 75dB (1m away from the horizontal position of the device)
Installation	Rackmount (≤ 8 units)
Standard	UL1741, IEEE1547, IEC/EN62477, G99

MECHANICAL PARAMETERS

Dimension	H336mm x W450mm x D1249mm(PCS) H2400mm x W1950mm x D2200mm(AC Cabinet)
Weight	2000kg
Enclosure	IP54 / Water unit IP20