

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

