

ZLET - CIESS



ZLET-CIESS gives commercial and industrial power consumer an optimal solution to achieve reliable power supply at low cost, enable the islands without power and remote area where power grid is hard to establish to enjoy lights. It also improves solar energy generate integration.

Compatibility

On-grid and off-grid operation. Compatible to different voltage level and frequency demand via changing transformer



Various Application

Demand Response
Micro-grid
Power Distribution Extension
Renewable Energy Integration
Maximization



High Efficiency

Complicated BMS and EMS, thermal management and balancing function enable the whole system's round trip efficiency reaches to 90%



Reliability

Modular design
Reduce power consumption
Independent air tunnel for cooling system
Easy maintenance & fast replacement



Outdoor Installation

The outdoor cabinet is made of a vandalism-proof double wall aluminum structure and state-of-the-art thermal insulation material.



5 years warranty

Real time after service



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Customized ESS Solution for Solar Farm & Micro Grid Application

Item	CIESS100
Nominal Power	100 kW
Nominal Capacity	350 kWh
Connection voltage	380 V
Nominal Charge/Discharge Power	100kW
Max. Charge/Discharge Power	110kW (0.33C)
Rated Frequency	50/60 Hz
Total Harmonic distortion	< 3%
Power Factor	-1 ~ +1
Round-trip Battery Efficiency	> 0.95
Round-trip System Efficiency	> 0.88
Cell chemistry	LFP
DC Voltage Range	570~832 V
Specified Cycles(@ nominal C-rate)	> 5000
Supported Communication Interfaces	Inner Interface: CAN
Control and Monitoring Via external interface	External Interface: CAN, Ethernet, RS485
Touch Screen	Touch
Remote Monitoring	Optional data collection duration: 1~15 minutes; Real-time data monitoring & 15 years historical data record
Dimensions (L x W x H)	2,991 * 2,438 * 2,896 mm
Weight	7,000 kg
Protection class	IP54
Temperature Range	-20 ~ 55 °C
Humidity	10 %~90 %
Altitude	≤3000 m