

2.75MW/3.45MW Centralized ESS PCS



High-Efficiency Conversion

- Utilizes a three-level topology with efficiency up to 99%
- Intelligent air cooling, no power derating at 40°C



Flexible Application

- Supports multi-unit parallel connection and modular stacking to meet various power requirements
- Modular design simplifies installation and maintenance



Safe and Reliable

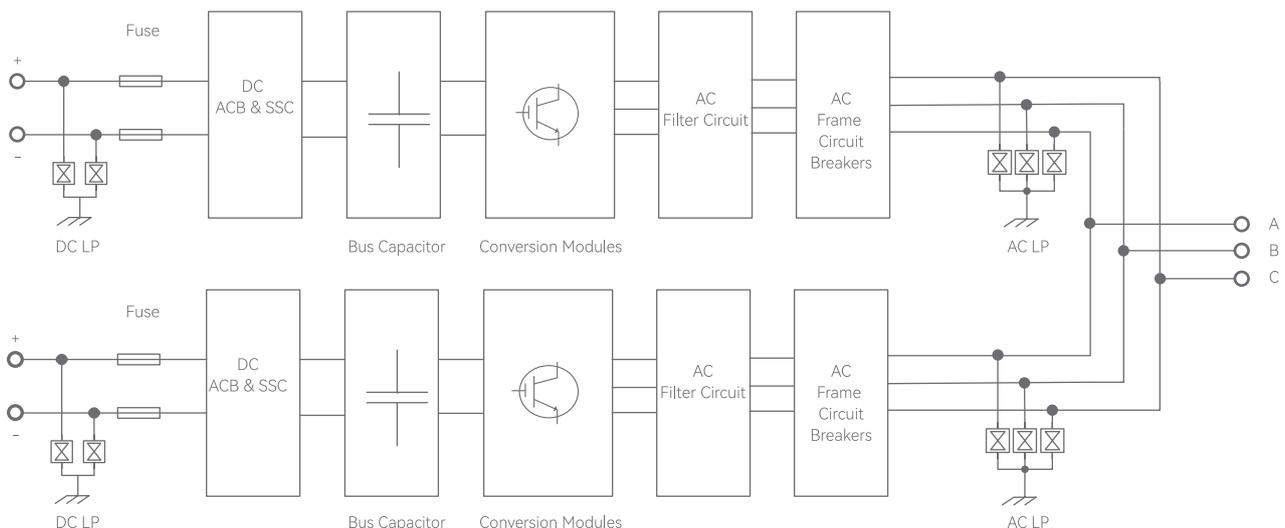
- IP65 protection and C5 corrosion resistance ensure superior environmental adaptability
- Supports intelligent detection of multiple system faults and thermal failure protection



Grid-Friendly

- Features PQ, VF, SVG, and VSG functions, supporting high/low voltage ride-through
- Rapid power dispatch, off-grid operation, and "black start" capability

Topology



Product Specifications	EAPCS2750KHV	EAPCS3450KHV
DC Side		
Rated Power DC Voltage Operating Range	1000V~1500V	
Maximum DC Operating Current	3087A	3873A
Number of DC Inputs	2	
AC Side (Grid-Connected)		
Rated Output Power	2750kVA@45°C	3450kVA@45°C
Maximum Output Power	3025kVA@30°C	3795kVA@30°C
Maximum AC Current	2531A@30°C	3176A@30°C
Rated AC Voltage	AC690V	
AC Voltage Range	586.5V~759V	
Rated Grid Frequency / Grid Frequency Range	50Hz/45Hz~55Hz	
AC Current Harmonics	<3% (rated power)	
Power Factor	>0.99 (rated power)	
Reactive Power Adjustable Range	-105%~105%	
Efficiency		
Maximum Efficiency	99%	
Protection		
DC Input Protection	Load Switch + Fuse	
AC Output Protection	Framework Circuit Breaker	
Surge Protection	Equipped	
Grid Monitoring / Earth Fault Monitoring	Equipped	
Insulation Detection	Equipped	
Overheat Protection	Equipped	
General Parameters		
Dimensions (W×H×D)	720×2320×1400mm (×2)	850×2260×2085mm (×2)
Weight	2T	2.2T
Isolation Type	Non-isolated	
Protection Rating	IP65/C5	
Operating Temperature Range	-35°C~60°C (Derating above 45°C)	
Relative Humidity Range	0%~95% (No condensation)	
Cooling Method	Intelligent Air Cooling	
Maximum Operating Altitude	5000m (>4000m derating)	
Communication	RS485, CAN	
Compliance Standards	GB/T34120, GB/T34133	
Grid Support	L/HVRT, Active & Reactive Power Control, Power Slope Control	

East Energy Storage Technology Co., Ltd.

EAST Group : No.1, 5th Road, Songshan Lake Headquarters, Dongguan City, Guangdong Province
 Xi'an R&D Center: No. 70 Jinye Road, High tech Zone, Xi'an City, Shaanxi Province



*If there are any changes to the product size and parameters, the latest information shall prevail without further notice.

Our WeChat QR code