

Energy Storage

Modular PCS



Advanced design

- Modular design, easy expansion and maintenance.
- Three-level topology with new IGBT module, high efficiency conversion.
- Independent duct design, good heat dissipation environment.

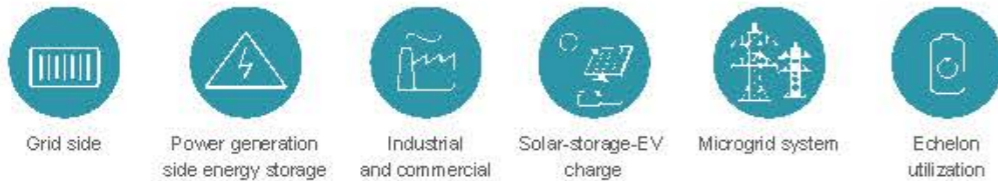
Leading technology

- Supporting multiple battery input, effectively improving battery cycle life.
- High frequency switches, low current ripples and high voltage quality.
- Support parallel system, can be extended to MW level.

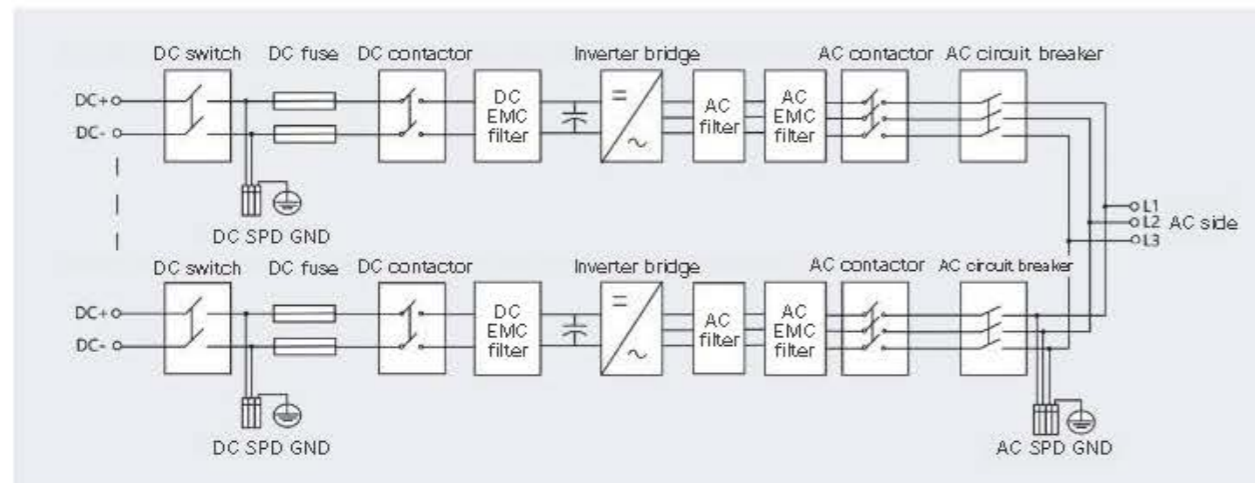
High value

- Built-in EMS function to reduce customer investment costs.

Application Scenario



Product Topology



Model	LC-PCS050	LC-PCS100	LC-PCS150	LC-PCS200	LC-PCS250	LC-PCS300	LC-PCS500	LC-PCS630
DC(battery)								
DC voltage range	600-900V DV							
Max. current	92A	184A	275A	367A	459A	550A	917A	1200A
Battery string	1	2	3	4	5	6	10	10
Black start	yes							
AC(grid-connected)								
Rated power	50kW	100kW	150kW	200kW	250kW	300kW	500kW	630kW
Max. output power	55kVA	110kVA	165kVA	220kVA	275kVA	330kVA	550kVA	693kVA
Rated voltage	400V							
Voltage range	±15%(Can be set)							
Rated frequency	50/60Hz							
Frequency range	± 5%(Can be set)							
Rated current	73A	145A	217A	289A	361A	434A	722A	909A
Max. current	80A	159A	239A	318A	397A	477A	794A	1000A
THDi	Rated power<3%							
PF	1 lagging-1 leading(Can be set)							
Overload capability	110% long overload							
AC(off-grid)								
Rated voltage	400V							
Voltage regulatoin	<1%							
Rated current	73A	145A	217A	289A	361A	434A	722A	909A
Max. current	80A	159A	239A	318A	397A	477A	794A	1000A
Rated frequency	50/60Hz							
THDU	TTHDU ≤ 1%(Linear load) ≤ 3%(Nonlinear load)							
General information								
Max. effi ciency	98.5%							
Transformer	No							
AC connection	3W+N+PE							
Cooling	Forced air							
Noise emission	<70dB							
Operation temperature	- 35°C~+55°C							
Protection degree	IP20							
Max. altitude	5000m (derated above 3000m)							
Relative humidity	0-95% non-condensing							
Dimension(WXDxH)	600x700x1200mm			600x700x2050mm			1200x700x2050mm	
Weight	123kg	150kg	177kg	320kg	350kg	480kg	750kg	780kg
Communication								
Display	Touch screen LCD							
BMS interface	RS484/CAN							
Local communication	RS485, TCP/IP, CAN							
Certifi cates								
Standard	CGC, TUV							