

SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

POWER CELL 1220 (PC150)



TECHNICAL SPECIFICATIONS

Physical Characteristics					
Dimensions (W*D*H)(mm)	1200*1050*2050				
Weight (kg)	1800				
Protection Level	IP55				
Electrical Characteristics					
Number of batteries in parallel	1	2	3	4	5
Battery Type	LiFePO ₄				
Rated Energy Capacity (kWh)	150	300	450	600	750
Usable Energy Capacity (kWh)	120	240	360	480	600
Rated Battery Capacity (Ah)	200	400	600	800	1000
Rated Charging/Discharge Current(A)	100 / 100	200 / 200	300 / 300	400 / 400	500 / 500
Max Charging/Discharge Current (A)	100 / 200	200 / 400	300 / 600	400 / 800	500 / 1000
Nominal Voltage (V)	769				
Usable Voltage Range (V)	672-840				
Depth of Discharge	80%				
Round-Trip Efficiency	≥95%				
Cycle life@ 25°C(under standard charge and discharge conditions)	8000				
DC Disconnect	Contactor / Fuse				
BMS Communication	CAN				
Operating Conditions					
Installation	Indoor / outdoor				
Operating Temperature(°C)	-20 to 50				
Operating Temperature(recommended)	15 to 30				
Storage Temperature(°C)	-20 to 60				
Storage Temperature (Recommended)(°C)	15 to 30				
Humidity	5 to 95%				
Altitude	Max.2,000 m				
Cooling Method	Internal Air Conditioning				
Warranty					
Compliance Standard	IEC62619,CE UN38.3				
Product and performance	10 years for the battery modules and 3 years for all other components.				

KEY FEATURES



Quick Installation

Plug and play, all parts preassembly for delivery



Multiple Protection

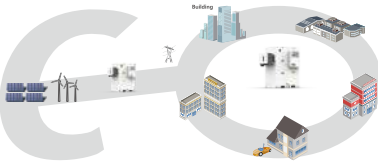
- Integrated sensors and fire protection for real-time battery monitoring.
- Effective pressure-relief cabinet design to prevent internal risks.






Maintenance Easy

- Simplified local operation and maintenance, with remote troubleshooting and upgrades.
- Cluster-level management with independent voltage control for each cluster.
- Real-time monitoring via app with EMS-compatible interface.

APPLICATIONS



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Linkedin



Official Website