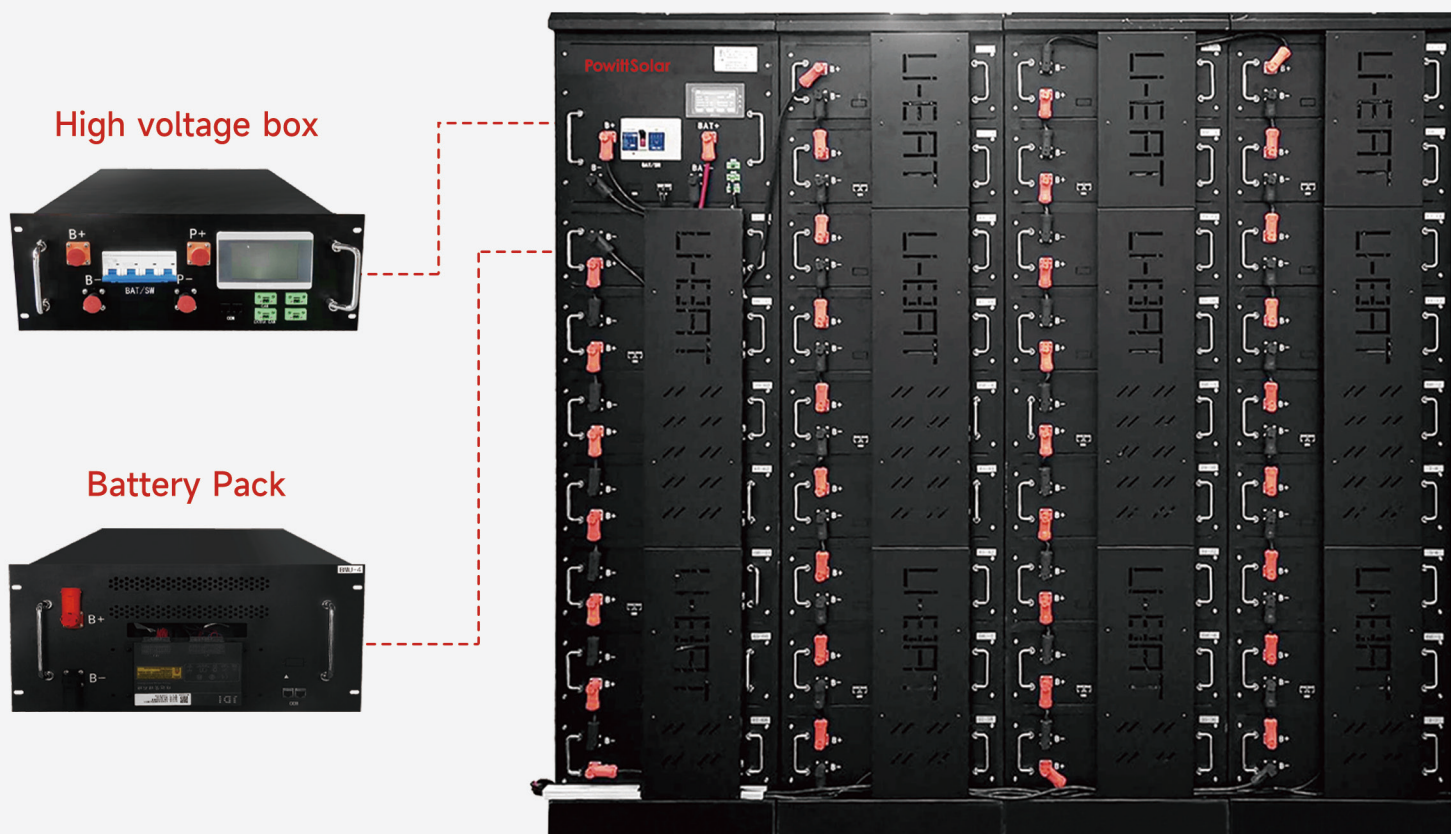


Battery Cluster



FEATURES

- Modular design, automatic identification of iD code, saving installation space.
- One-button power on and off, convenient installation and maintenance, easy operation.
- Each cluster is equipped with a touch screen to intuitively display the operating status.
- Strong compatibility, can be seamlessly connected with UPS, photovoltaic power generation and other main equipment.
- The communication interface is diversified, CAN/RS485/dry contact, etc. can match various inverters, and can also be customized according to customer needs to facilitate remote monitoring of the system.

APPLICATIONS



Commercial real estate



Small-size commercial



Public buildings



Remote mountainous areas

POWITT LITHIUM BATTERY CLUSTER ENERGY STORAGE SYSTEM

Lithium battery cluster voltage platform parameter table

Model Type	Nominal voltage(V)	Nominal capacity(Ah)	Operating voltage range(VDC)	Maximum continuous charge and discharge current (A)
PWS192280/314	192	280/314	174~213	140/155
PWS384280/314	384		348~426	
PWS460280/314	460.8		417.6~511.2	
PWS538280/314	537.6		487.2~596.4	
PWS576280/314	576		522~639	
PWS652280/314	652.8		591.6~724.2	
PWS695280/314	691.2		626.4~766.8	
PWS768280/314	768		696~852	

Note: See attachment for detailed parameters, special voltage and capacity can be customized.

Lithium battery pack parameter table

Model Type	PWS192280	PWS192314	PWS384280	PWS384314	PWS460280	PWS460314	PWS538280	PWS538314
Cell Type	Lithium Iron Phosphate							
Rated energy (kWh)	53.76	60.28	107.52	120.57	129	144.69	150.5	168.8
Nominal capacity (Ah)	280	314	280	314	280	314	280	314
Nominal voltage (VDC)	192		384		460		538	
Operating voltage range(VDC)	174~213		384~426		417.6~511.2		487.2~596.4	
Recommended charging voltage (VDC)	207		414		496.8		579.6	
Recommended discharge cut-off voltage(VDC)	180		360		432		504	
Standard charge and discharge current(A)	56	62	56	62	56	62	56	62
Maximum continuous charge and discharge current(A)	140	155	140	155	140	155	140	155
Storage temperature(°C)	-20~50							
Charging temperature(°C)	0~50							
Discharge temperature(°C)	-10~60							
Protection level	IP20							
Communication interface	RS485/CAN							
Reference weight(kg)	557		1088		1290		1505	
Reference size (D*W*Hmm)	695*550*1979		695*1100*1979		695*1100*2260		695*1650*1698	

Note: Special voltage and capacity can be customized.

POWITT LITHIUM BATTERY CLUSTER ENERGY STORAGE SYSTEM

Lithium battery pack parameter table

Model Type	PWS576280	PWS576314	PWS652280	PWS652314	PWS692280	PWS692314	PWS768280	PWS768314
Cell Type	Lithium Iron Phosphate							
Rated energy (kWh)	161.28	180.86	182.78	204.97	193.53	217	215	241.15
Nominal capacity (Ah)	280	314	280	314	280	314	280	314
Nominal voltage (VDC)	576		652.8		691.2		768	
Operating voltage range(VDC)	522~639		591.6~724.2		626.4~766.8		696~852	
Recommended charging voltage (VDC)	621		703.8		745.2		828	
Recommended discharge cut-off voltage(VDC)	540		612		648		720	
Standard charge and discharge current(A)	56	62	56	62	56	62	56	62
Maximum continuous charge and discharge current(A)	140	155	140	155	140	155	140	155
Storage temperature(°C)	-20~50							
Charging temperature(°C)	0~50							
Discharge temperature(°C)	-10~60							
Protection level	IP20							
Communication interface	RS485/CAN							
Reference weight(kg)	1618		1810		1925		2115	
Reference size (D*W*Hmm)	695*1650*1979				695*1650*2260			

Note: Special voltage and capacity can be customized.

COMPATIBLE INVERTER BRANDS

