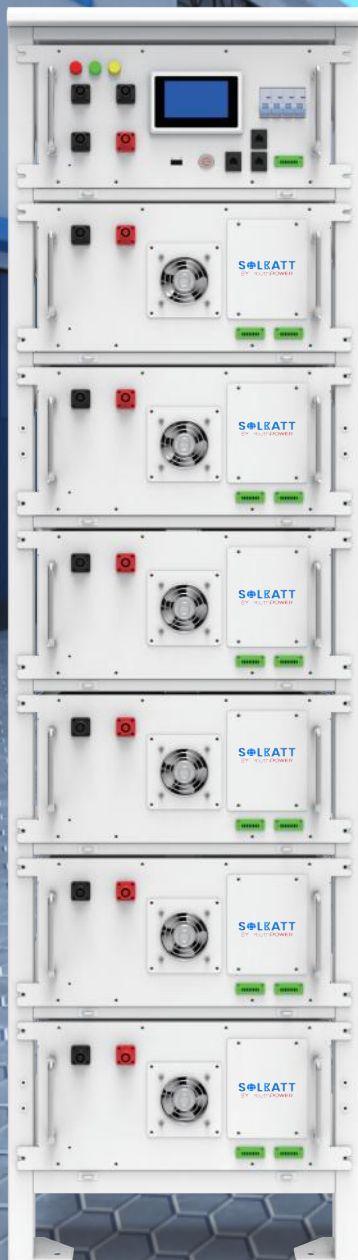


# Rack Mount Battery Series



-  **Safe and Reliable**  
Ensured by own designed and manufactured cell, modules and BMS
-  **Optimal Electricity Cost**  
Long cycle life and superior performance
-  **Eco-Friendly**  
The whole module is non-toxic, non-polluting and environmentally friendly.
-  **Flexible Mounting**  
Plug&Play, no additional wiring connection
-  **Compatibility**  
Compatible with Top inverter brands

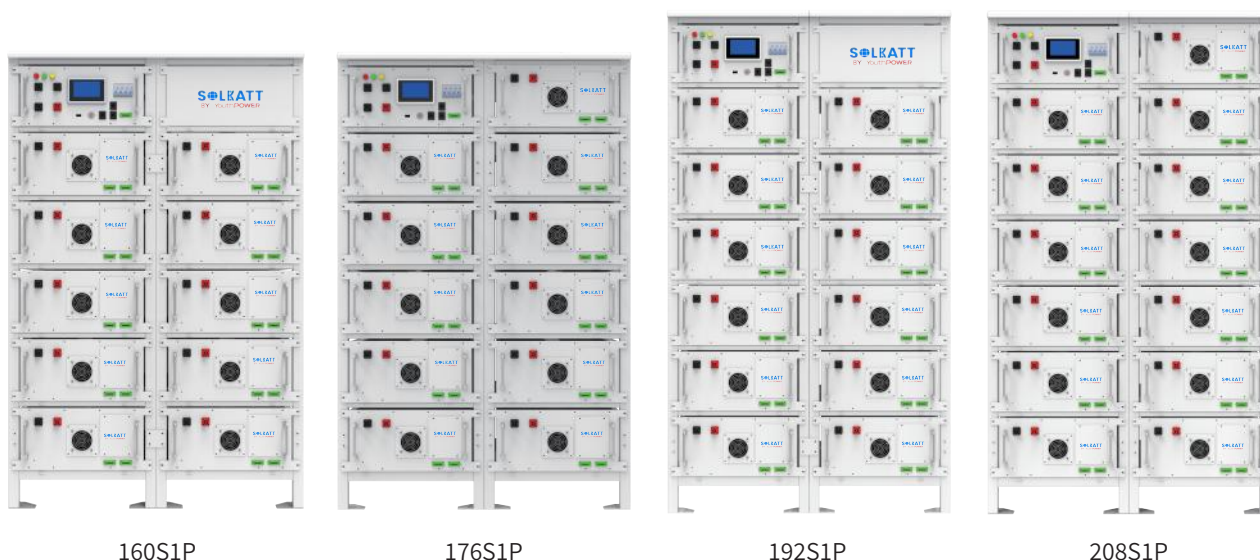
# SPECIFICATION (96S1P/112S1P/128S1P/144S1P)



Model	YP-280HV 307V-85KWH	YP-280HV 358V-100KWH	YP-280HV 409V-114KWH	YP-280HV 460V-129KWH
Combination method	96S1P	112S1P	128S1P	144S1P
Rated Capacity	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah
Factory Voltage	307.2-316.8V	358.4-369.6V	409.6-422.3V	460.8V-475.2V
Voltage at end of Discharge	≤259.2V	≤302.4V	≤345.6V	≤388.8V
Charging Voltage	336V	392V	448V	504V
Internal Impedance	≤100mΩ	≤110mΩ	≤120mΩ	≤120mΩ
Max Charging Current(Icm)	140A	140A	140A	140A
Limited Charging Voltage(Ucl)	350.2V	408.8V	467.2V	525.6V
Max Discharging current	140A	140A	140A	140A
Discharge Cut-off voltage(Udo)	240V	280V	320V	360V
Operation Temperature Range	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C
Storage Temperature Range	-20°C~25°C	-20°C~25°C	-20°C~25°C	-20°C~25°C
Single module Size/weight	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg
Main control box size/weight	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg
System size/weight	550*776*1985mm /About 850Kg	550*776*1985mm /About 850Kg	550*780*1450mm /About 1110Kg	555*776*1700mm /About 1450Kg



# SPECIFICATION (160S1P/176S1P/192S1P/208S1P)



160S1P

176S1P

192S1P

208S1P

## General Parameter

Model	YP-280HV 512V-143KWH	YP-280HV 563V-157KWH	YP-280HV 614V-172KWH	YP-280HV 665V-186KWH
Combination method	160S1P	176S1P	192S1P	208S1P
Rated Capacity	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah
Factory Voltage	512-528V	563.2V-580.8V	614.4-633.6V	665.6-686.4V
Voltage at end of Discharge	≤432V	≤475.2V	≤537.6V	≤582.4V
Charging Voltage	560V	616V	672V	728V
Internal Impedance	≤130mΩ	≤140mΩ	≤150mΩ	≤160mΩ
Max Charging Current(Icm)	140A	140A	140A	140A
Limited Charging Voltage(Ucl)	584V	642.4V	700.8V	759.2V
Max Discharging current	140A	140A	140A	140A
Discharge Cut-off voltage(Udo)	400V	440V	480V	520V
Operation Temperature Range	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C
Storage Temperature Range	-20°C~25°C	-20°C~25°C	-20°C~25°C	-20°C~25°C
Single module Size/weight	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg
Main control box size/weight	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg
System size/weight	550*780*1690mm /About 1400Kg	555*776*1700mm /About 1560Kg	550*776*1960mm /About 1708Kg	550*776*1960mm /About 1833Kg

# SPECIFICATION (224S1P/240S1P)



224S1P



240S1P

## General Parameter

Model	YP-280HV 716V-200KWH	YP-280HV 768V-215KWH
Combination method	224S1P	240S1P
Rated Capacity	Typical:280Ah Minimum:276Ah	Typical:280Ah Minimum:276Ah
Factory Voltage	716.8-739.2V	768-792V
Voltage at end of Discharge	≤604.8V	≤648V
Charging Voltage	784V	840V
Internal Impedance	≤170mΩ	≤180mΩ
Max Charging Current(Icm)	140A	140A
Limited Charging Voltage(Ucl)	817.6V	876V
Max Discharging current	140A	140A
Discharge Cut-off voltage(Udo)	560V	600V
Operation Temperature Range	Charge:0~55°C Discharge: -20~55°C	Charge:0~55°C Discharge: -20~55°C
Storage Temperature Range	-20°C~25°C	-20°C~25°C
Single module Size/weight	778.5*442*230mm /About 125Kg	778.5*442*230mm /About 125Kg
Main control box size/weight	620*442*222mm /About 22Kg	620*442*222mm /About 22Kg
System size/weight	550*776*2250mm /About 1978Kg	550*776*2250mm /About 2100Kg