

Battery Module

Rated Battery Voltage	48V/51.2V
Rated Energy	5.12kWh
Max.Charge And Discharge Rate	1C
Battery Type	LFP(LiFePO4)
Weight	45KGS
Dimensions (L*W*H)(mm)	651*454*154

System Parameters

System Structure							
Rated Output Power	5500W						
Number Of Batteries In Parallel	2	3	4	5	6	7	8
Battery Energy	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh
MPPT Voltage Range	40~60V						
Operating Temperature	0°C ~ +50°C (Charging) / -20°C ~ +60°C (Discharging)						
Storage Temperature	-30°C ~ +60°C						
Humidity	5% ~ 95%						
Cooling Strategy	Fan						
Ingress Protection Rating	IP20						
Communication	WiFi/RS485/RS232/CAN(Optional)						
Weight	130KGS	175KGS	220KGS	265KGS	310KGS	355KGS	400KGS
Dimensions (L*W*H)(mm)	661*464*670	661*464*824	661*464*978	661*464*1132	661*464*1286	661*464*1440	661*464*1594
Certificate	CE/UN38.3/MSDS						

Inverter

Rated Output Power	5500W
Max.Output Current	24A
Rated Output Voltage	220/230/240VAC
Rated Frequency	50Hz,60Hz
Efficiency (DC to AC)	≥92%
DC Output Voltage	54VDC
DC Output Current	30A, up to 60A
Output Wave	Sine Wave
Output Type	Pluggable Connector
AC Input Voltage Range	Wide Voltage 120-280VAC/Narrow Voltage 170-280VAC
AC Input Frequency	50Hz,60Hz
AC Charging Current Of The Inverter	37A
Max. PV Power Generation	5000W
Max.PV Voltage	450VDC
MPPT Voltage Range	120VDC~450VDC
Max. PV Charging Current (Battery)	20A
Weight	23KGS
Dimensions (L*W*H)(mm)	651*454*164