

RPC AIO System 12kW 30kWh



Advanced Integration

Include all the necessary accessories for system running

RPC battery installation is plug and play, no additional wiring is needed



All-in-one system

Low-voltage 3-phase all-in-one system

Compatible with Voltsmile X Deye SUN-5/6/8/10/12K hybrid inverter



AIO System Specification

Cabinet Size	600mm*630mm*2010mm
Weight(include 6 batteries and inverter)	440kg
IP Rating	IP20
Operating Temperature	-20~60°C
Altitude	<4000m
Cooling	4 Fans on the top of cabinet
Communication with BMS	CAN/RS485

Battery Specification

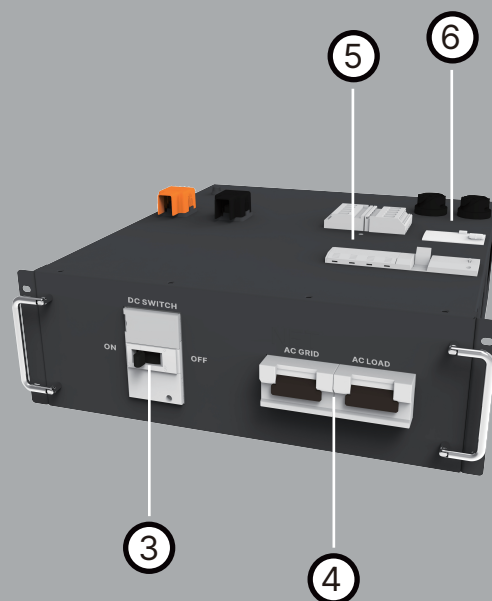
Capacity	5.12kWh per battery, max 6 batteries
Nominal Voltage	51.2V
Voltage Range	43.2V-57.6V
Max. Charge/Discharge Current	100A per module(Limited by the inverter power, the system max charge/discharge current is 240A)
Life Cycles	6000+

PV String Specification

PV Max. DC Input Power	15.6KW
PV Input Voltage	550V (160V~800V)
PV Start-up Voltage	160V
MPPT Range	200V-650V
PV Input Current	26A+13A

AC Output/Input Specification

Rated AC Input/Output Active Power	12kVA
Rated AC Input/Output Current	18.2/17.4A
Rated Grid Voltage	380/400Vac (Three phase)
Rated Grid Voltage Range	-20%~15%
Rated Input/Output Grid Frequency/Range	50Hz(47Hz~52Hz) or 60Hz(57Hz~62Hz)
Total Current Harmonic Distortion THDi	<3% (of nominal power)
Power Factor Adjustment Range	0.8 leading to 0.8 lagging



- ① Voltsmile X Deye hybrid inverter, support SUN-5/6/8/10/12K-SG04LP3
- ② V10 RPC battery module
- ③ DC switch
- ④ AC load / AC grid switch
- ⑤ Two way switch
- ⑥ Residual current device