

H01

- Smart module and cell balancing
- IP65 protection level
- Ultra-low power consumption
- Easy installation
- Smart battery cluster parallel









Battery Type	Li-ion(LFP)						
Module Energy [kWh]	2.56kWh						
Module Voltage [V]	51.2V						
Rated Capacity [Ah]	50						
Battery Module in series (Optional)	2	3	4	5	6	7	8
Nominal Voltage [V]	102.4	153.6	204.8	256	307.2	358.4	409.6
Operating Voltage [V]	88-115.2	132-172.8	176-230.4	220-288	264-345.6	308-403.2	352-460.8
Total Energy [kWh]	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable Energy [kWh]	4.608	6.912	9.216	11.52	13.824	16.128	18.432
Nominal Power[kW]	2.56	3.84	5.12	6.4	7.68	8.96	10.24
Max Power [kW]	3.58	5.37	7.16	8.95	10.74	12.53	14.32
Nominal Charge/Discharge Current[A]	25/25						
Max Charge/Discharge Current[A]	35/35						
Dimensions(W*H*D) [mm]	550*480*380	550*620*380	550*760*380	550*900*380	550*1040*380	550*1280*380	550*1420*380
Weight [kg]	82	113	144	175	206	237	268
Depth of Discharge	90%						
Cycle Life*1	6000, 25°C						
Warranty	5 years (10 years compensation)						
Operating Temperature	Charge: 0°C~55°C / Discharge: -20°C~55°C						
Humidity [%]	5% to 90%, (no condensing)						
Altitude	Below 2000m						
Ingress Protection	IP65						
Battery to Inverter	CAN2.0						
Battery to Battery	CAN2.0						
Inverter Selection	DIP switch						
State	LED*1(white)						
SOC	LED*4						
Series*2	2-8						
Cluster*3	1-8						
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021						
Certification & Safety Standard	TUV/CE/IEC/UN38.3						






*1 Test conditions, at 25°C, charge/discharge rate is 0.2C, 80%DOD.

*2 Refer to inverter wiring diagram.

*3 1 cluster contains 2 to 8 modules.

Accessories

Name	Specification	Remark	Pictures
Power Cable-Positive	Red Gauge: 8AWG / Length: 1500mm	Optional Master to Inverter / Combiner Box	
Power Cable-Negative	Black Gauge: 8AWG / Length: 1500mm	Optional Master to Inverter / Combiner Box	
Power Cable-Positive	Red Gauge: 8AWG / Length: 2000mm	Optional Combiner Box to Inverter	
Power Cable-Negative	Black Gauge: 8AWG / Length: 2000mm	Optional Combiner Box to Inverter	
Power Cable-Positive	Red Gauge: 8AWG / Length: 1500mm	Optional Master to Master (Cluster Parallel)	
Power Cable-Negative	Black Gauge: 8AWG / Length: 1500mm	Optional Master to Master (Cluster Parallel)	

Name	Specification	Remark	Pictures
Wi-fi Monitor	Wi-fi Monitor	Optional	
Combiner Box	Combiner Box	Optional	
Communication Cable (CAN)	Communication Cable (CAN)	Optional	
Communication Cable to Inverter (Standard 8 pin)	Length: 1500mm RJ45 Plug	Master to Inverter	
Earth Line	Length: 2000mm	Battery / Combiner to Earth	
Fire Extinguisher	Fire Extinguisher	Optional	