

STE-OS 5~20kWh

LiFe PO4 Batteries



Safety and long lifespan, high efficiency and high-power density



Remotely monitoring and upgrade, support IOT function for smarter and more efficient battery pack operation and maintenance.



Battery module auto networking, Automatic IP addressing, easy maintenance Free stand design and saving installation space



Intelligent BMS, providing complete protection



Whole module non-toxic, pollution-free



Support high discharge power, module level Auto-balancing

Model	STE-OS5	STE-OS10	STE-OS15	STE-OS20
Total Energy [kWh]	5.12	10.24	15.36	20.48
Battery Module	51.2V 5.12kWh			
Number of Modules	1	2	3	4
Cell Type	LFP (LiFe PO4)			
Nominal Voltage [V]	51.2	51.2	51.2	51.2
Operating Voltage Range [V]	40-58.4	40-58.4	40-58.4	40-58.4
Max. Charge / Discharge Current [A]	100	120	120	120
Continue Discharge Output [kW]	5	6	6	6
Dimensions [W*D*H mm]	740*240*490	740*240*795	740*240*1100	740*240*1405
Approximate Weight [KG]	63.2	112.4	161.6	210.8

General Specifications

Recommend Depth of Discharge	90%
LED Indicator	4 LED (SOC: 25%-SOC:100% blue), 2 LED (working green, alarming red)
IP Rating of Enclosure	IP65(Outdoor)
Operating Temperature	Charge: 0° C ~ 50° C/Discharge: -20° C ~ 50° C
Storage Temperature	0° C ~ 35° C
Humidity	≤ 95%
Altitude	≤ 2000m
Cycle Life	6000 cycles (90% DOD, 25° C)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Installation	Floor-mounted, Stack
Communication Port	CAN

[1] DC Usable Energy, test conditions: 90% DOD, 1C charge & discharge at 25° C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.