

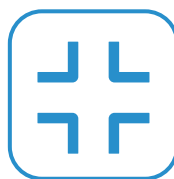
# Residential ESS

## STACK PRO SERIES (7.5-20kWh)

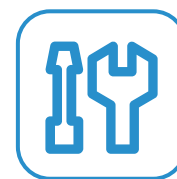
The STACK PRO Series is specifically designed for extensive residential use with 51.2V 50AH module. Featuring a stackable configuration with self-adjusting modules, it offers a choice of six energy capacities, reaching up to 20kWh, and supports parallel connections. Higher voltage in same capacity. Utilizing cutting-edge LiFePO4 technology, it allows for remote upgrades, boasts high waterproofing capabilities, and excels in efficient cooling.



**APP Monitoring**  
Real-time monitoring & Remote upgrade available



**Stronger Scalability**  
Maximum capacity of 60 kWh with 3 groups in parallel



**Easier Installation**  
Stackable design, Plug & Play



**Higher Level Safety**  
LFP & Smart BMS



**Longer Life Time**  
Long cycle life and superior performance



**Wider Compatibility**  
Compatible with Top inverter brands



## Specification STACK PRO SERIES

Model	STACK PRO SP-7.5	STACK PRO SP-10	STACK PRO SP-12.5	STACK PRO SP-15	STACK PRO SP-17.5	STACK PRO SP-20
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Module Quantity	3	4	5	6	7	8
Nominal Voltage (V)	153.6	204.8	256.0	307.2	358.4	409.6
Nominal Capacity (KWH)	7.68	10.24	12.80	15.36	17.92	20.48
Usable Energy (KWH)	6.144	8.192	10.24	12.288	14.336	16.384
Discharge Voltage (V)	120~144	160~192	200~240	240~288	280~336	320~384
Charge Voltage (V)	168~175.2	224~233.6	280~292	336~350.4	392~408.8	448~467.2
Recommend Charge/ Discharge Current (A)	25	25	25	25	25	25
Peak Charge/ Discharge Current(A)	50	50	50	50	50	50
Dimensions (W*D*H)	798*280*723	798*280*865	798*280*1007	798*280*1149	798*280*1290	798*280*1433
Net Weight (kg)	118	148	178	208	238	268
Communication	RS485/CAN					
Working Temperature	0℃~50℃ Charge - 10℃~50℃ Discharge					
Shelf Temperature	-20℃~60℃					
Protection Level	IP54					
Battery Module Name	HV5150					
Expansion	Max. 3 Stacks can be connected in parallel					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	10 years+					
Cycle Life	>6000					
Warranty	10 years					
Compatible Inverters	Goodwe/Solis/SAJ/Sinexcel/Atess/Deye/Megarevo/Sunways/SRNE etc.					