

# Solavita

# SWBS

## 5.12/7.68/10/12/15/18/20kWh

High Voltage Battery



### MODEL

SWBS5120-H1 | SWBS7680-H1

SWBS010K-H1 | SWBS012K-H1

SWBS015K-H1 | SWBS018K-H1

SWBS020K-H1



Modular design, easy installation



IP66 outdoor design



90% discharge depth



Supports parallel expansion,  
up to 8 parallel units

Model	SWBS5120-H1	SWBS7680-H1	SWBS010K-H1	SWBS012K-H1	SWBS015K-H1	SWBS018K-H1	SWBS020K-H1
<b>Features</b>							
Battery Module Type	Lithium Iron Phosphate (LFP)						
Battery Module Quantity	2	3	4	5	6	7	8
Total Energy [kWh]	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable Energy(90%DOD) [kWh]	4.61	6.91	9.21	11.52	13.824	16.128	18.432
Rated Voltage [V]	102.4	153.6	204.8	256	307.2	358.4	409.6
Operating Voltage Range [V]	80-116.8	120-175.2	160-233.6	200-350.4	320-467.2	360-525.6	400-584
Maximum Discharge Current [A]	25						
Battery Roundtrip Efficiency	> 95%						
Recommended Depth of Discharge	90%						
Scalability	Support up to 8 batteries in series						

<b>Operating Conditions</b>	
Installation	Indoor (Stacked)
Operation Temperature [°C]	-10~55
Storage Temperature [°C]	-20~55
Cooling Concept	Natural Cooling
Humidity	5%~85% (Non-condensing)
Altitudes [m]	≤2000

<b>General Data</b>							
Dimensions(W*H*D) [mm]	509*532.4*400	509*712.4*400	509*892.4*400	509*1072.4*400	509*1252.4*400	509*1432.4*400	509*1612.4*400
Weight [kg]	49.5	86.8	124.1	161.4	198.7	236	273.3

<b>Certification</b>	
Safety Regulation	IEC62916、IEC62040-1、IEC63056、VDE2510、GE、CEC
EMC	EC61000-6-2/4
Deliveries	UN38.3
Protection Level	IP66