

Solavita

A SKYWORTH Company

SWR

5.12 / 7.68 / 10.24 / 12.80

15.36 / 17.92 / 20.48 kWh

High Voltage Battery



MODEL

SWR5.12-H1 | SWR7.68-H1

SWR10.24-H1 | SWR12.80-H1

SWR15.36-H1 | SWR17.92-H1

SWR20.48-H1



Modular design, easy installation



IP65 outdoor design



90% discharge depth



Supports up to 8 batteries in series

Model	SWR5.12-H1	SWR7.68-H1	SWR10.24-H1	SWR12.80-H1	SWR15.36-H1	SWR17.92-H1	SWR20.48-H1
Features							
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]	50						
Battery Roundtrip Efficiency	> 95%						
Recommended Depth of Discharge	90%						
Scalability	Support up to 8 batteries in series						

Operating Conditions	
Installation	Indoor (Stacked)
Operation Temperature [°C]	-10~50
Storage Temperature [°C]	-20~50
Communication	CAN
Cooling Concept	Natural Cooling
Humidity	5%~85% (Non-condensing)
Altitudes [m]	≤2000

General Data							
Dimensions(W*H*D) [mm]	500*484*380	500*626*380	500*768*380	500*910*380	500*1052*380	500*1194*380	500*1336*380
Weight [kg]	68.4	96.8	125.2	153.6	182	210.4	238.8

Certification	
Safety Regulation	IEC62619, IEC60730, IEC62477
EMC	EN IEC 61000-6-1/-2/-3/-4
Deliveries	UN38.3
Protection Level	IP65