

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 Charge/Discharge Current [A]	50						
Battery roundtrip efficiency	> 95%						
Recommended Depth of Discharge (DOD)	90%						
Scalability	Supports up to 8 batteries in series						
Operating Conditions							
Installation	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*D*H) [mm]	500*380*483.4	500*380*625.4	500*380*767.4	500*380*909.4	500*380*1051.4	500*380*1193.4	500*380*1335.4
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						