

RESIDENTIAL STACKABLE ESS

DUNEXT

Residential ESS

Model	PowerHome 7.48-H1	PowerHome 11.23-H1	PowerHome 14.97-H1	PowerHome 18.7-H1
Electrical Parameters				
Number of Modules	2	3	4	5
Nominal Energy ^[1] [kWh] Usable Capacity	7.48	11.23	14.97	18.7
Nominal Voltage [V]	192	288	384	480
Voltage Range [V]	162 ~ 216	243 ~ 324	324 ~ 432	405 ~ 540
Maximum Charge / Discharge Current ^[2] [A]	30 / 30			
Depth of Discharge	90%			
Cooling	Natural			
General Data				
Battery Technology				
Size (Width * Height * Depth) [mm]	561 * 902 * 217	561 * 1228 * 217	561 * 1554 * 217	561 * 1880 * 217
Weight [kg]	86.8	124.1	161.4	198.7
Number of Battery Units	2	3	4	5
Enclosure	IP65 (Indoor or Outdoor)			
Installation Type	Floor Stand			
Operating Temperature Range ^[3] [°C]	-10 ~ +50			
Communication	CAN, RS485			
Cycle Life	6000@ 80% DOD / 25°C / 0.2C / 60% EOL			
Warranty ^[4] [years]	10			
Operating Altitude [m]	≤ 2000			
Certification				
Certificates	UN38.3, EN / IEC 62619, IEC 62040, EN 62477, EN 61000-6-1 / -3			







[1] Nominal Energy: 100% DOD, 0.2C charge & discharge at +25°C (test conditions).

[2] The recommended charging and discharging current is 25 / 30A.

[3] Ambient temperature charging (0 ~ +40°C), discharging (-10 ~ +50°C).

[4] Conditions apply: refer to Dunext PowerHome Battery Warranty Policy.

PowerHome-H1(7.48-18.7kWh)

-  Modular & 'Plug & Play' design
-  Remote firmware upgrade and online diagnosis
-  Safety upgrade with world class LiFePO4 battery technology
-  IP65 outdoor design
-  Support up to 5 battery sets parallel connection
-  EU standard certified by TÜV Rheinland

