



# ESYSUNHOME ESS BATTERY

## Household Energy Storage System



ESYSUNHOME  
10KWH+H-20



ESYSUNHOME  
10KWH+H-30



ESYSUNHOME  
10KWH+H-40



ESYSUNHOME  
10KWH+H-50



ESYSUNHOME  
10KWH+H-60



ESYSUNHOME  
10KWH+H-70



ESYSUNHOME  
10KWH+H-80



ESYSUNHOME  
10KWH+H-90

MODEL	ESYSUNHOME10KWH+H-20	ESYSUNHOME10KWH+H-30	ESYSUNHOME10KWH+H-40
Number of Batteries	2	3	4
Battery Capacity (kWh)	20.99	31.48	41.98
Usable Capacity (kWh)	20.57	30.85	41.14
Rate DC Power (kW)	6.6	9.9	13.2
Rated Capacity (Ah)	410	615	820
Size (LxWxH mm)	660*270*1020	660*270*1426	(660*270*1448) + (660*270*614)
Weight (kg)	214kg	309kg	429.2
Max. Continuous Charging Power (W)	6600	9900	13200
Max. Continuous Charging Current (A)	17.18	25.77	34.36
Max. Continuous Discharging Power (W)	6600	9900	13200
Max. Continuous Discharging Current (A)	17.28	25.92	34.56
Configuration	(16S)2P	(16S)3P	(16S)4P
MODEL	ESYSUNHOME10KWH+H-50	ESYSUNHOME10KWH+H-60	ESYSUNHOME10KWH+H-70
Number of Batteries	5	6	7
Battery Capacity (kWh)	52.48	62.97	73.47
Usable Capacity (kWh)	51.43	61.71	72
Rate DC Power (kW)	16.5	19.8	23.1
Rated Capacity (Ah)	1025	1230	1435
Size (LxWxH mm)	(660*270*1448)+(660*270*1020)	(660*270*1448)*2	(660*270*1448)*2+(660*270*614)
Weight (kg)	524.2	619.2	739.4
Max. Continuous Charging Power (W)	16500	19800	23100
Max. Continuous Charging Current (A)	42.95	51.54	60.13
Max. Continuous Discharging Power (W)	16500	19800	23100
Max. Continuous Discharging Current (A)	43.20	51.84	60.48
Configuration	(16S)5P	(16S)6P	(16S)7P
MODEL	ESYSUNHOME10KWH+H-80	ESYSUNHOME10KWH+H-90	
Number of Batteries	8	9	
Battery Capacity (kWh)	83.96	94.46	
Usable Capacity (kWh)	82.28	92.57	
Rate DC Power (kW)	26.4	29.7	
Rated Capacity (Ah)	1640	1845	
Size (LxWxH mm)	(660*270*1448)*2+(660*270*1020)	(660*270*1448)*3	
Weight (kg)	834.4	929.4	
Max. Continuous Charging Power (W)	26400	29700	
Max. Continuous Charging Current (A)	68.72	77.31	
Max. Continuous Discharging Power (W)	26400	29700	
Max. Continuous Discharging Current (A)	69.12	77.76	
Configuration	(16S)8P	(16S)9P	
PARAMETERS			
Rated Voltage	450 Vd.c.		
Battery Type	Li-ion		
Voltage Range	380 Vd.c.~560 Vd.c.		
Battery Cell Low-End Voltage Range (Charge/Discharge)	43.2 V~57.6 V		
Short-Circuit Current	1000 A / 5 ms		
Depth of Discharge	98%		
Protection Class	Class I		
Overvoltage Category	OVC II		
Operating Temperature	-20~55°C		
Ingress Protection Rating	IP66		
Altitude	≤ 3000m		
Pollution Degree	PD 3		
Standards	IEC 62619:2022, IEC 62040-1:2017+A1:2021+A2:2022, AS 62040.1:2019		
EMC Standards	EN IEC 61000-6-1:2019 EN IEC 61000-6-3:2021		
Warranty	120 months		
Country of Manufacture	China		

## ESYsunhome Co.,LTD

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