



EP6 / EP12

EP Battery 5,76 / 11,52 kWh

Scalable

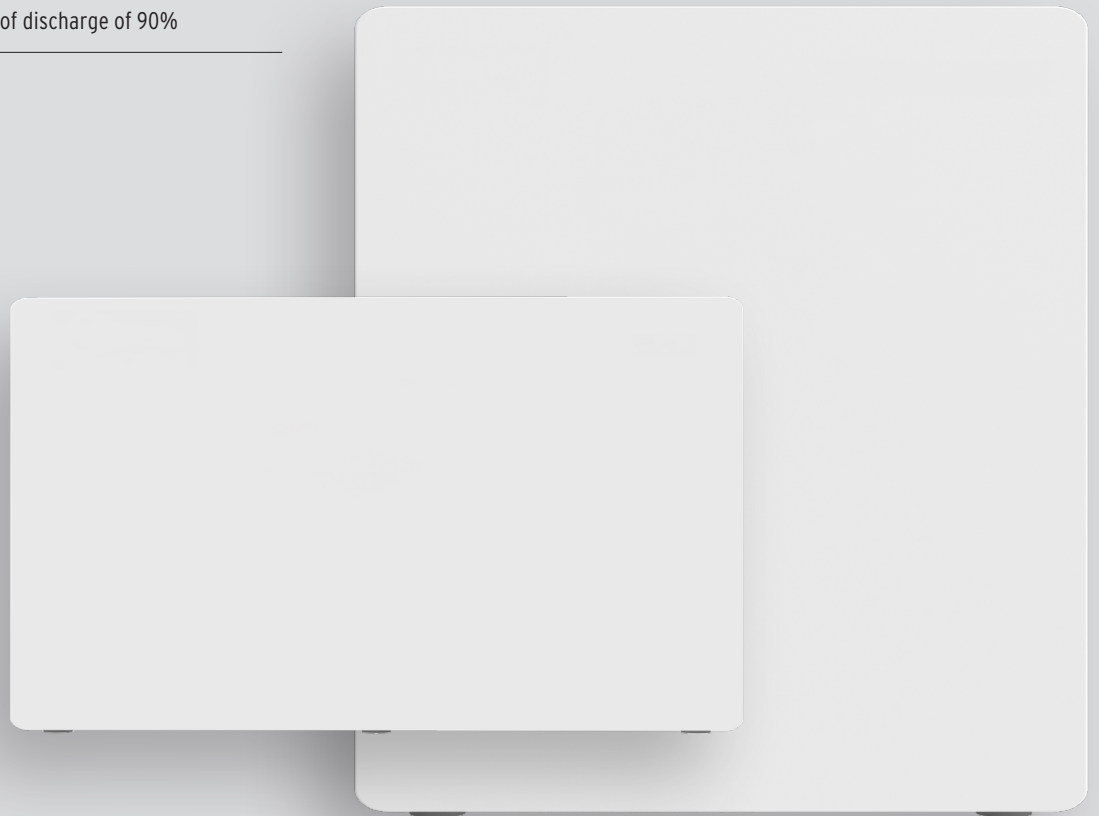
Additional batteries can be installed in parallel allowing for a maximum storage capacity of on 23,04 kWh (EP6) and 46,08 kWh (EP12)

Maximum flexibility

The compact design makes the battery easy to install and offers a wide range of storage applications

Depth of Discharge

The battery scores with a depth of discharge of 90%



**Store electricity
made easy!**

Solar power storage

EP6 / EP12

SONNENKRAFT

		SK-EP6	SK-EP12
Electrical characteristics			
Battery Type		LiFePO4 Prismatic Cell	
Nominal Energy	kWh	5,76	11,52
Nominal Voltage	V	192	384
Operating Voltage	V	174 - 219	348 - 438
Max.Charge/Discharge Current ¹	A		30
Recommend Charge Current	A		15
Peak Discharge Current	A		65 @ 60 Sek.
Peak Charge Current	A		36 @ 5 Sek.
Battery Pack Round-Trip Efficiency	%		> 95
Depth of Discharge	%		90
Cycles			≥ 5000
Communication			CAN
Display			LED*5
Scalability			Max. 4 Units in Parallel
Operating Conditions			
Installation location		Outdoor/ Indoor	
Operating temperature	°C	Charge: 0 up to 55 / Discharge -10 up to 55	
Storage temperature	°C	- 10 up to 40	
Cooling method		Natural Convection	
Humidity	%	5 up to 95 (no condensation)	
Altitude		max. 3000 m	
Mechanical Characteristics			
Dimensions (B * H * T)	mm	640 * 380 * 185	640 * 710 * 185
Weight	kg	51	98
Certificates			
Safety		IEC62619	
EMV		EN IEC 61000-6-1/2/3/4	
Transportation		UN38.3	
Ingress Protection		IP65	
Guarantee			
Guarantee		10 years/guaranteed energy throughput ²	

¹ The current is influenced by the temperature, cell voltage, and SOC.
² Please note the warranty terms.

Charging / discharging capacity

Depending on the combination of HWR and SK-EP, different charging / discharging capacities result, which must be taken into account in the design.

SONNENKRAFT inverter hybrid Smart 3-phase		SK-EP6	SK-EP12
SK-HWR-Smart-6	kW	5,0	6,0
SK-HWR-Smart-8	kW	5,0	8,0
SK-HWR-Smart-10	kW	5,0	10,0
SK-HWR-Smart-12	kW	5,0	11,5
SK-HWR-Smart-15	kW	5,0	11,5
SONNENKRAFT inverter hybrid 3-phase		SK-EP6	SK-EP12
SK-HWR-6	kW	5,7	6,0
SK-HWR-8	kW	5,7	8,0
SK-HWR-10	kW	5,7	9,9
SK-HWR-12	kW	5,7	9,9
SONNENKRAFT inverter hybrid Pro 3-phase		SK-EP6	SK-EP12
SK-HWR-15-P	kW	5,7	11,5
SK-HWR-20-P	kW	5,7	11,5
SK-HWR-30-P	kW	5,7	11,5