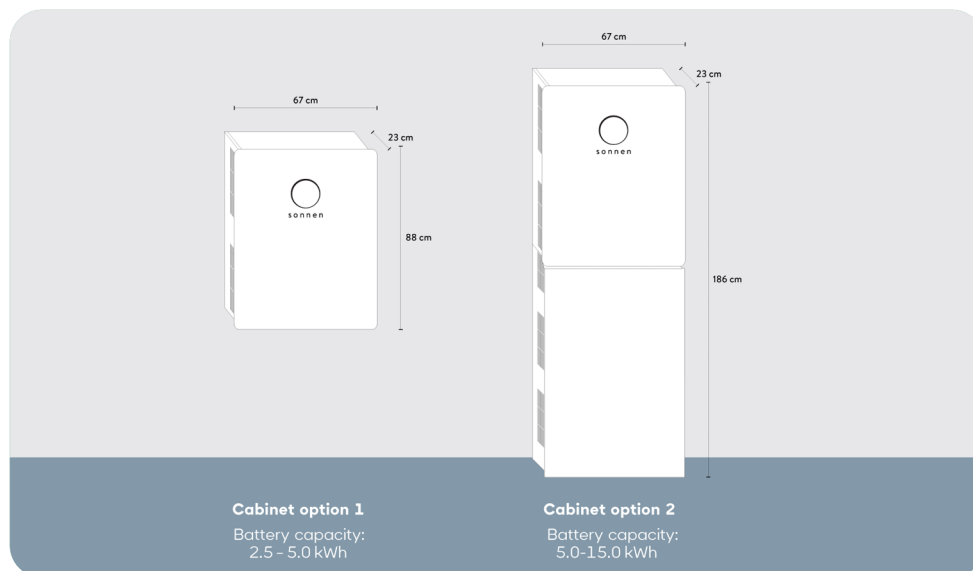




## Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/2,5	hybrid 9.53/5	hybrid 9.53/7,5	hybrid 9.53/10	hybrid 9.53/12,5	hybrid 9.53/15
<b>Nominal battery capacity in kWh</b>	2,5	5,0	7,5	10,0	12,5	15,0
<b>Depth of discharge (DoD)</b>	90 %					
<b>Cell technology</b>	LFP (Lithium Iron Phosphate)					
<b>Cabinet option 1</b> (2,5 kWh - 5,0 kWh)						
<b>Weight in kg</b>	58	81	-	-	-	-
<b>Dimensions (H/W/D) in cm</b>	88/67/23	88/67/23	-	-	-	-
<b>Cabinet option 2</b> (5,0 kWh - 15,0 kWh)						
<b>Weight in kg</b>	85	108	131	154	177	200
<b>Dimensions (H/W/D) in cm</b>	186/67/23	186/67/23	186/67/23	186/67/23	186/67/23	186/67/23
<b>Max. charging / discharging power in kW</b>	1,1	2,5	3,3	3,3	3,3	3,3
<b>Nominal power</b>	4,600 W					
<b>Rated output apparent power</b>	4,600 VA					
<b>Rated output current</b>	20 A					
<b>Max. recommended PV input</b>	6,500 W <sup>2</sup>					
<b>Max input DC voltage (PV)</b>	750 V					
<b>Min input DC voltage (PV)</b>	75 V					
<b>Input start-up voltage (PV)</b>	100 V					
<b>Number of MPP-Trackers</b>	2					



## Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/2,5	hybrid 9.53/5	hybrid 9.53/7,5	hybrid 9.53/10	hybrid 9.53/12,5	hybrid 9.53/15
<b>MPP voltage range</b>	75 - 600 V					
<b>Max. MPPT input current</b>	13 A					
<b>Max. MPPT short circuit current</b>	15 A					
<b>Power factor range</b>	0.8 cap. - 0.8 ind.					
<b>DC connection</b>	Sunclix					
<b>Max. efficiency (battery to grid)</b>	95 %					
<b>Max. efficiency (PV to grid)</b>	97.5 %					
<b>Max. battery efficiency</b>	98 %					
<b>Operating temperature range</b>	-5 °C - +45 °C <sup>3</sup>					
<b>IP rating</b>	IP30					
<b>Mains connection</b>	Single phase. Three phase metering capable					
<b>Overvoltage category</b>	OVC III (AC port), OVC II (PV port)					
<b>Tests and directives</b>	AS 4777.2, IEC 62040-1, IEC 62619, IEC 62109-1, IEC 62109-2					
<b>Maximum altitude</b>	2,000 m above sea level					
<b>Warranty</b>	10 years or 10,000 cycles <sup>4</sup>					
<b>Country of manufacture</b>	Germany					

### Available options

sonnenProtect - Backup and Blackstart functionality

<sup>1</sup> There are two cabinet versions available. By default, the large cabinet is included (Dimensions H/W/D 98/67/23). <sup>2</sup> Note, any oversizing of the PV input is technically possible but increases the risk of thermal derating of the inverter. <sup>3</sup> Possible derating at temperatures above 35 °C. <sup>4</sup> Warranty on all parts. To learn more about our current warranty terms and conditions, please visit [sonnen.com.au/technical-documents](https://sonnen.com.au/technical-documents).

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