

On-Grid Inverters



SMA Inverters

Model	SB1100	SB1700	SB2500	SB3300	SB3800	SMC5000	SMC6000
Electrical values							
Recommended maximum PV power (Wp)	1210	1850	2700	3820	4040	5750	6300
Maximum DC voltage (V DC)	400		600	500		600	
Input DC voltage range (V DC max)	139-400		224-600	200-500		246-600	
Maximum input current (Ip max) (A)	10	12.6	12	20	20	26	26
Maximum number of parallel strings	2		3			4	
Nominal output power P AC (W)	1000	1550	2300	3300	3800	5000	6000
Peak AC power (W)	1100	1700	2500	3600	3800	5500	6000
General Data							
Maximum efficiency	93%	93.5%	94.1%	95.2%	95.6%	96.1%	96.1%
Weight (approx) (kg)	22	25	30	41	41	62	63
Size (mm) WxHxD	322x320x180	434x295x214	434x295x214	450x352x236	450x352x236	468x613x242	468x613x242
Ambient temperature	-25°C to +60°C						
Enclosure rating	IP65						
Features	Electronic Solar Switch ESS: Integrated DC-disconnect						
Standard Warranty	5 Years Warranty						

Note: Check full inverter specifications, system design, maximum PV watts and system wiring configuration prior to connection.

SMA Inverter - Transformerless

Model	SB3000TL	SB4000TL	SB5000TL	SMC6000TL	SMC7000TL	SMC8000TL	SMC9000TL	SMC10000TL	SMC11000TL
Electrical values									
Recommended maximum PV power (Wp)	3200	4300	5300	6200	7200	8250	9300	10350	11400
Maximum DC voltage (V DC)	550			700					
Input DC voltage range (V DC max)	125-440			332-500					
Maximum input current (Ip max) (A)	17	2x15	2x15	19	22	25	28	31	34
Maximum number of parallel strings	1	2	2	4	4	4	5	5	5
Nominal output power P AC (W)	3000	4000	4600	6000	7000	8000	9000	10000	11000
Peak AC power (W)	3000	4000	5000	6000	7000	8000	9000	10000	11000
General Data									
Maximum efficiency	97%			98%					
Weight (approx) (kg)	25			31	32	33	35		
Size (mm) WxHxD	470x445x180			468x613x242					
Ambient temperature	-25°C to +60°C								
Enclosure rating	IP65/54			IP65					
Standard Warranty	5 Years Warranty								

Note: Check full inverter specifications, system design, maximum PV watts and system wiring configuration prior to connection.

SMA Sunny Backup Systems

Model	Sunny Backup Set S	Sunny Backup Set M	Sunny Backup Set L	Sunny Backup Set XL
Number of phases	1-phase		3-phase	
Nominal voltage / nominal frequency	230 V / 50 Hz	230 V / 50 Hz	3 x 230 V/400 V/50 Hz	
Number of Sunny Backup 5000s	1 x SBU 2200	1	3	6/9/12
Switching unit (AS Box)	AS Box S 1	AS Box M	AS Box L	AS Box XL
Nom. AC PV Power / AC PV-current	4.6 kW / 20 A	5.7 kW / 25 A	30 kW / 3 x 44 A	110 kW / 3 x 160 A
Independent disconnection device	Yes			
Nom. power / current in grid operation	5.7 kW / 25 A	8 kW / 35 A	44 kW / 3 x 63 A	110 kW / 3 x 160 A
Max. backup power (Cont. / 30 min / 1 min)	2.2 kW / 2.9 kW / 3.8 kW	5 kW / 6.5 kW / 8.4 kW	15 kW / 19.5 kW / 25.2 kW	2/3/4 x (15 kW / 19.5 kW / 25.2 kW)
Battery	Sealed			
Nominal voltage	24 V – 12 V	48 V		
Energy / capacity (C10)	3.4 kWh / 142 Ah	6.7 kWh / 142 Ah	13.4 kWh / 284 Ah	2/3/4 x (13.4 kWh / 284 Ah)
SBU (W/H/D in mm)	470 / 445 / 180	467 / 612 / 235		
AS Box (W/H/D in mm)	200 / 300 / 120	600 / 600 / 210	600 / 760 / 210	1000 / 1600 / 300
Weight (SBU / AS Box)	18 kg / 4.5 kg	63 kg / 29 kg	63 kg / 41 kg	63 kg / 180 kg
Ambient temperature (SBU, AS Box)	-25 °C to +60 °C		-25 °C to +50 °C	
Enclosure type (SBU, AS Box)	IP54 / IP54		IP30 / IP65	

*At times of release only backup set M is approved for sale in Australia.

