

BALCONY SOLAR AND STORAGE

NEXA 2000

Balcony solar system · 800 W


800 W

RATED POWER

2.048 kWh

ENERGY CAPACITY

51.2 V

NOMINAL VOLTAGE

IP66

PROTECTION CLASS

Parameter	Unit	NEXA 2000
PV input		
Max. PV input power	W	2600
Max. PV input voltage	V	60
MPPT voltage range	V	16 – 60
Max. input current per MPPT	A	20
Number of MPPT trackers		4
PV strings per MPPT		1
Recommended PV module power	W	≤650
AC output		
Rated output power	W	800
Rated AC voltage	V	230
Rated AC frequency	Hz	50/60
Max. AC output current	A	3.5
Backup output power	W	800
On-grid port AC input power	W	700
On-grid port AC input voltage	V	230
On-grid port max. AC input current	A	3
Off-grid port nominal output voltage	V	230
Off-grid port max. output current	A	3.5
Max. output power with manual boost (adjustable setting)	W	1000
Battery		
Battery type		LiFePO4
Nominal energy capacity	Wh	2048

Parameter	Unit	NEXA 2000
Max. expandable energy	Wh	8192
Max. charge power	W	2000
Nominal voltage	V	51.2
Expansion battery rated capacity	Wh	2048
Expansion battery max. charging power	W	2000
Expansion battery max. discharge power to main unit	W	800
General data		
Dimensions (W x H x D)	mm	406 × 290 × 255
Weight	kg	24
Ingress protection (IP rating)		IP66
Charging temperature range	°C	-10 – 55
Discharging temperature range	°C	-20 – 60
Low-temperature start-up (self-heating)	°C	-30
Warranty	years	10
Expansion battery net weight	kg	18
Expansion battery dimensions (L x W x H)	mm	406 × 235 × 270
Communication		
Display		LED
Communication interfaces		Wi-Fi; Bluetooth
Monitoring		App
Certifications		
Certifications and standards	EN 62109; EN 62477; EN 62619; EN 61000-6-1; EN 61000-6-3; EN 301 489; EN 300328; EN 300220; RoHS; REACH; UN38.3	
Grid codes	VDE-AR-N 4105:2018	

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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