

BALCONY SOLAR AND STORAGE

NOAH 2000

Balcony solar system · 2.048 kWh



2.048 kWh
ENERGY CAPACITY

51.2 V
NOMINAL VOLTAGE

IP66
PROTECTION CLASS

10 years
WARRANTY

Parameter	Unit	NOAH 2000
PV input		
Max. PV input power	W	1800
Max. PV input voltage	V	60
MPPT voltage range	V	16 – 60
MPPT full-power voltage range	V	30 – 48
Max. input current per MPPT	A	26
Number of MPPT trackers		2
PV strings per MPPT		1
Number of connectable PV modules		4
Battery		
Battery type		LiFePO4
Nominal energy capacity	Wh	2048
Max. expandable energy	Wh	8192
Max. number of battery units	pcs	4
Nominal voltage	V	51.2
Max. charge power	W	1800
Max. charge current	A	40
Max. discharge power	W	800
Max. discharge current	A	20
Battery output voltage range (DC to microinverter)	V	40 – 50
Cycle life	cycles	≥6000

Parameter	Unit	NOAH 2000
Efficiency		
Max. efficiency	%	98
MPPT efficiency	%	99
General data		
Dimensions (W x H x D)	mm	406 × 270 × 235
Weight	kg	21
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
Communication		
Display		LED
Communication interfaces		Wi-Fi; Bluetooth
Monitoring		App
Certifications		
Certifications and standards		CE; RoHS; REACH; WEEE

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

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