

RW30PB

RENEWINGCUBE 8,4 kWh - 3000 VA



Storage Capacity

at 100-hour discharge mode 8.4 kWh	8.4 kWh
at 10-hour discharge mode (P = 0.5 kWh)	7.5 kWh
at 3-hour discharge mode (P = 0.5 kWh)	6.0 kWh
at 1.5-hour discharge mode (P = 0.5 kWh)	4.5 kWh

AC Output

Continuous power	3000 VA
Overload 30 min / 60 sec	3750 / 5250 VA
Overload protection	Safety fuse
Output frequency (customisable)	50 ±0.3 Hz
Output AC voltage (customisable)	220 - 240V (230V on default)
Total Harmonic Distortion (THD) at rated power	< 3%
Idle self-consumption	12 W
Max. efficiency	95%

AC 1 Input (Grid)

AC 1 input current (customisable limit)	3 - 40 A
Automatic transfer relay rating / switching time	40 A / 20 ms
AC 1 input voltage limits (bypass/charge mode)	230V (±20%)
AC 1 input frequency range	50 ±2Hz

General Specifications

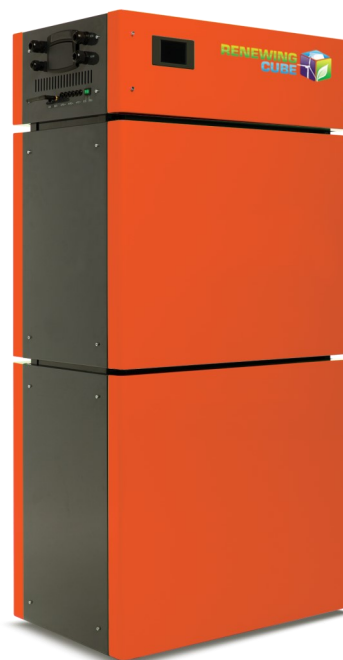
Product dimensions (H x W x D)	1430 x 710 x 455 mm
Weight	±382 kg
Operating Temperature range	-25°C to +70°C (-13°F to 158°F) Power derated above 25°C (77°F)

Battery

Battery design	Sealed (VRLA/GEL) maintenance-free lead/acid cells (6 OPzV, 2V, 350Ah, 12 pcs.)
Rated capacity C5	300 Ah
Rated capacity C10	330 Ah
Rated capacity C100	350 Ah

Features

Microprocessor features	DC Input current measurement, voltage measurement of each element/block, external generator start/stop interface, battery/grid/PV priority selection
Display	Color touchscreen
Charge temperature compensation	Yes
Battery temperature sensor included	Yes
Communication interface	Wi-Fi, Ethernet (RJ45)
Remote monitoring system	Cloud monitoring system available



AC 2 Input (External Generator)

AC 2 input current (customisable limit)	3 - 40 A
AC 2 input voltage limits (bypass/charge mode)	230V (±20%)
AC 2 input frequency range	50 ±10Hz

DC Input (up to 3 external PV controllers can be connected)

Input DC voltage range	19 - 34V
Maximum input DC current	250 A