

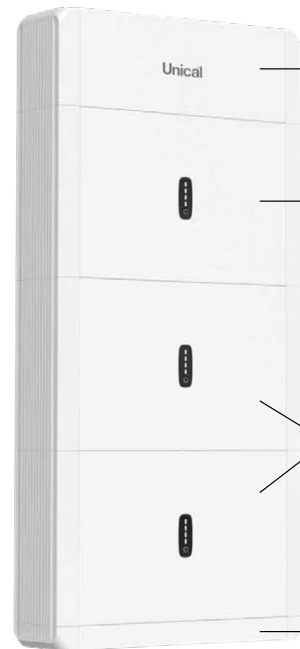
ZOE

SINGLE-PHASE MODULAR DOMESTIC STORAGE TANK SYSTEM

- **5.12 kWh BATTERY**
allows a variable range of modularity up to 30.72 kWh
- **ON-OFF GRID SWITCHING TIME LESS THAN 10 ms**
guarantees an uninterruptible power supply for the user load
- **LITHIUM IRON PHOSPHATE BATTERY (LFP)**
ensures safe and reliable operation
- **AUTOMATIC ISOLATION**
of the defective battery module, in the event of a fault
- **APP-BASED REMOTE MONITORING**
offers easy maintenance with unlimited expansion of functions
- **INTEGRATED SMART GRID MANAGEMENT MODULE INTEGRATED INTELLIGENCE**
enables distribution of the electricity grid
- **IP66 PROTECTION RATING**
makes the system suitable for difficult environments
- **INVERTER WITH ON-BOARD LCD CONSOLE**
rapid monitoring of the actual system status



SINGLE-PHASE
INVERTER
HYBRID



CONTROLBOX

BATTERY
5.12 kWh

BATTERY
10.24 kWh

BATTERY BASE

ZOE SYSTEM CONFIGURATION

Rated output power	4000 W / 5000 W / 6000 W
Capacity range	5.12~30.72 kWh
Capacity range usable	4.6~27.65 kWh
Battery chemistry	LFP (LiFePO4)
IP Protection	IP66 (Outdoors)

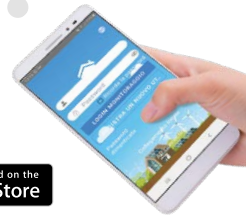
10 YEARS
SYSTEM
WARRANTY

10 YEARS
BATTERY
WARRANTY*

*or 6000 recharge cycles

Technical data

ZOE HYBRID SINGLE-PHASE INVERTER	
MODEL	4.00 kW / 5.00kW / 6.00kW
STAGE	Single-phase
MAX. FV INPUT VOLTAGE	600 V
MPPT VOLTAGE RANGE	100 V-550 V
MAX. FV INPUT CURRENT	16 A / 16 A
MAX. FV INPUT POWER	8000 W / 9000 W / 9000 W
MAX. SHORT-CIRCUIT CURRENT MPPT	20 A
NUMBER OF INDEPENDENT MPPT	2
START-UP VOLTAGE RANGE	120 V
MAX. CHARGE/DISCHARGE CURRENT	100 A
MAX. CHARGE/DISCHARGE POWER	5000 W
NOMINAL OUTPUT VOLTAGE ON THE GRID	22 V-230 V-240 V (in accordance with local regulations)
GRID OUTPUT VOLTAGE RANGE	180 ~ 276 V
RATED GRID OUTPUT FREQUENCY ON THE ELECTRICITY GRID	50 Hz / 60 Hz
MAX. AC OUTPUT POWER	4000 W / 5000 W / 6000 W
AC NOMINAL OUTPUT VOLTAGE	230 V
COMMUNICATION	CAN2.0, RS485, WIFI / 4G (optional)
DISPLAY	LCD & APP
DIMENSIONS (W x H x D)	540 x 450 x 185 mm



ZOE BATTERIES						
CONTROLBOX COMPOSITION + BATTERY						
MODULE CAPACITY	5.12 kWh	10.24 kWh	15.35 kWh	20.48 kWh (*)	25.64 kWh (*)	30.72 kWh (*)
NOMINAL VOLTAGE	51.2 V	51.2 V	51.2 V	51.2 V	51.2 V	51.2 V
OPERATING TEMPERATURE RANGE	-20 ~ +50 °C	-20 ~ +50 °C	-20 ~ +50 °C	-20 ~ +50 °C	-20 ~ +50 °C	-20 ~ +50 °C
BATTERY DIMENSIONS (W x H x D) mm	650 x 620 x 180	650 x 980 x 180	650 x 1340 x 180	650 x 980 x 180 + 650 x 980 x 180	650 x 1340 x 180 + 650 x 980 x 180	650 x 1340 x 180 + 650 x 1340 x 180
WEIGHT CONTROLBOX + BATTERIES	55 kg	104 kg	153 kg	208 kg	257 kg	306 kg

*For side-by-side batteries use original cable extensions (not supplied).

Minimum installable kit
- 1 Control Box
- 1 x 5.12 kWh battery

Maximum installable kit for single inverter:
- 2 kits of 15.36 kWh
- 1 connection cable between the two control boxes