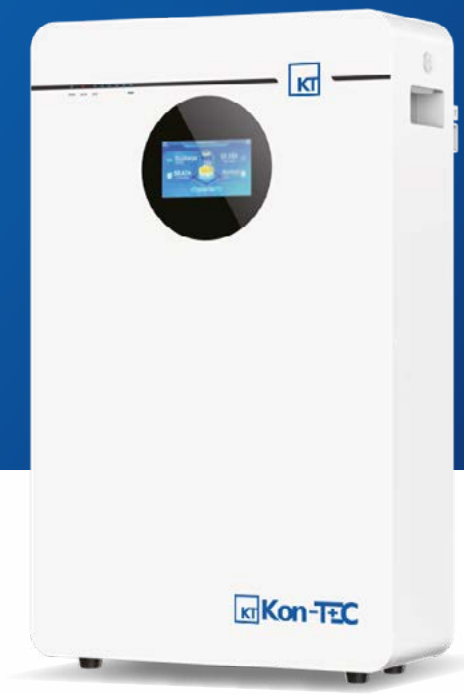
Kon-TEC
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Product datasheet



Kon-TEC MANA 5

Low-voltage energy storage battery Kon-TEC MANA 5

Lithium-iron-phosphate energy storage battery

51,2 V | 5,1 kWh

See the product online

TECHNICAL INFORMATIONS

EFFICIENCY

Cell technology	$LiFePO_4$ (LFP)
Nominal capacity	5,1 kWh[1]
Nominal power	1280 W
Nominal voltage	51,2 V
Operating voltage range	44,8 - 56,16 V
Nominal current charge/discharge	25 A
Maximum current charge/discharge	100/100 A
Efficiency	94%

GENERAL SPECIFICATION

Dimensions (W×D×H)	390×160×643 mm
Weight	47 kg
Installation type	Floor or wall
Operating temperature	5~50°C
Relative humidity	≤95%RH (without condensation)
IP protection	IP20
Lifespan	6000 cycles or 10 years @80% DOD (25°C / 0.5C 60% EOL)
Scalability	Max. 15 units parallel
Application	On-Grid / On-Grid + Backup / Off-Grid
Compatible inverters	Compatible with most, ask the distributor
Compliance	Cells and pack: CE, UN38.3
Warranty	10 years
Contents	Battery, current cables, communication cable, PE cable, wall mount parts
Extinguishing agent	Yes

COMMUNICATION

Communication	CAN / RS485 / RS232
Display	SOC indicator, LED indicator, LCD display

[1] Testing conditions: 100% depth od discharge (DOD), charge and discharge at 0.2C current, 25°C

PRODUCT FEATURES

More usable energy

Depth of discharge (DOD) control.

Simple installation

Wall or floor mount.

Flexible investment

Up to 15 units parallel.

Quick startup

One button on/off, automatic ID assignment

Safe and reliable

High quality $LiFePO_4$ cells (6000 cycles).

Perfect compatibility

Compatible with most brands of inverters.



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