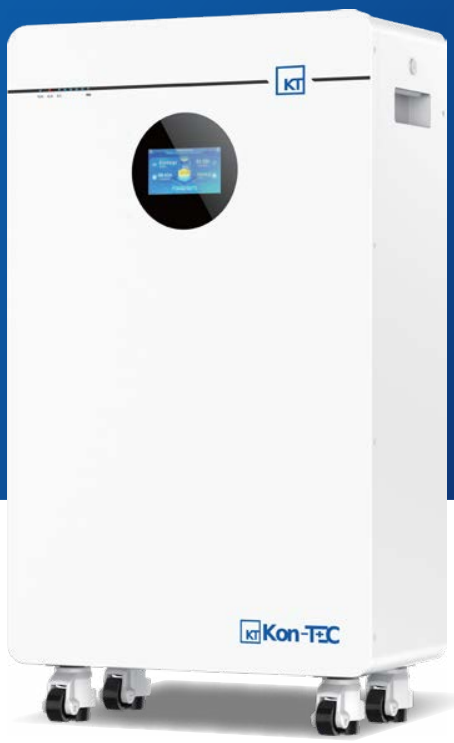
Product datasheet



Kon-TEC MANA 16

Low-voltage energy storage battery Kon-TEC MANA 16

Lithium-iron-phosphate energy storage battery

51,2 V | 16,07 kWh

Low-voltage energy storage battery Kon-TEC MANA 16

Product datasheet

TECHNICAL INFORMATIONS

WYDAJNOŚĆ	
Cell technology	$LiFePO_4$ (LFP)
Nominal capacity	16,07 kWh[1]
Nominal voltage	51,2 V
Operating voltage range	44,8-56,16 V
Nominal current charge/discharge	50 A
Maximum current charge/discharge	100/200 A
Efficiency	97%
Nominal discharge power	2,5 kW
Nominal charge power	2,5 kW

SPECYFIKACJA OGÓLNA	
Dimensions (W×D×H)	485×245×785 mm
Weight	122 kg
Installation type	Floor (wheels)
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	UN38.3 / IEC62619 / IEC61000
Warranty	10 years
Contents	Battery, current cables, communication cable, PE cable

COMMUNICATION	
Communication	CAN / RS485 / RS232
Display	SOC 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

4 wheels for easy assembly.

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.

Kon-TEC Sp. z o.o.

ul. Boya-Żeleńskiego 12, Building B
35-105 Rzeszów

+48 572 001 150
info@kon-tec.eu