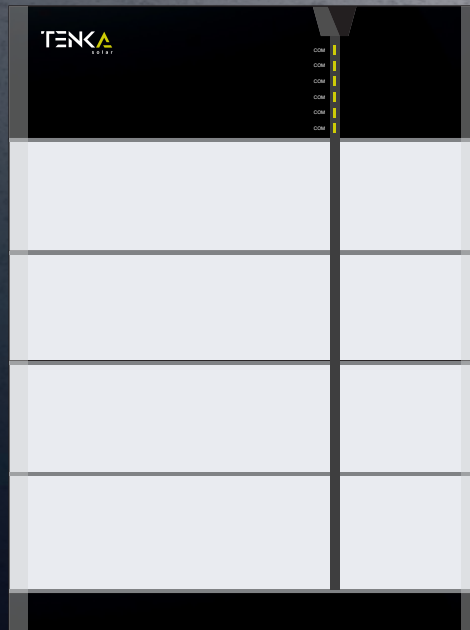


# Tenka Power Storage



## Tenka Power Storage - Main benefits



### Easy expansion

Modular Design for simple expansion by 2,5 kWh battery packs



### Plug & Play installation

Quick and easy plug and play installation



### Multi operation modes

Peak shaving, self consumption and time of use tariffs



### IP-65 Rating

IP65-rated design for reliable indoor and outdoor use



### Light weight

Compact and light weight design with just only 30 kg per battery pack



### Highest Safety standards

4 level safety protection and Lithium iron phosphate cell technology

# Tenka Power Storage

7.68 KW

10.24 KW

12.8 KW

15.36 KW

17.92 KW

20.48 KW

System Data						
Battery module	HB051050A					
Cell type	LiFePO4					
Module quantity	3	4	5	6	7	8
Rated capacity	50 Ah					
Nominal energy <sup>1</sup>	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable energy <sup>2</sup>	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating voltage	120 V ~ 175.2 V	160 V ~ 233.6 V	200 V ~ 292 V	240 V ~ 350.4 V	280 V ~ 408.8 V	320 V ~ 467.2 V
Max.charging current	25 A					
Max.discharging current	30 A					
Rated charging / discharging power	3.84 kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10,24 kW
Max.charging power	3.84 kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10,24 kW
Max.discharging power	4.61 kW	6.14 kW	7.68 kW	9.22 kW	10.75 kW	12.29 kW
General Data						
Dimensions (W / D / H)	540*390*600 mm	540*390*730 mm	540*390*860 mm	540*390*990 mm	540*390*1120 mm	540*390*1250 mm
Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
Battery module weight	30.5 kg					
Installation location	Indoor / Outdoor					
Mounting method	Floor mounted					
Operating temperature range	Charge: 0 ~ 50 °C / Discharge: -20 °C ~ 50 °C					
Storage temperature range	-20 °C ~ 45 °C					
Cooling concept	Natural convection					
Degree of protection	Ip65					
Relative humidity	5 ~ 95 %, non - condensing					
Communication	CAN					
Certification	IEC 62619 / EN 61000 / IEC 62040 / UN38.3					
Life cycle <sup>3</sup>	6000 times					
Round-trip efficiency	≥95%					

<sup>1</sup> Nominal energy is defined under the following conditions: cell voltage 2.5~3.65V, 0.5C charge & discharge at +25°C

<sup>2</sup> Usable energy is defined under the following conditions: 90% DOD, 0.5C charge & discharge at +25°C. Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user

<sup>3</sup> Life cycle is defined under the following conditions: 80 % DOD, 0.2C charge & discharge at +25°C

All information is subject to change | Version: Jan 2024