



ESS NP-WG10
48V | 5000Wh Max Charge/Discharge Current 50A / 100A
KTECH 

Lithium Battery

- IP21 protection degree
- Round-trip efficiency ≥97.5%
- High energy density
- Support parallel connection of 30+ units
- Advanced Battery Management System (BMS)

Wall-Mounted Low-Voltage Lithium Battery Technical Data

KTECH®

Model	NP-WG10	NP-WG15	NP-WG165
Type	LiFePO4		
Capacity	48V 200 AH	48V 314 AH	51.2V 320 AH
Rated Energy (kWh)	9.6	15	16.4
Usable Energy (kWh)	8.8	13.8	15
Peak Output Power (kW, 3s)	9.6	9.8	10
Round-trip Efficiency	≥97.5%		
Rated Voltage (V)	48/51.2V	48/51.2V	51.2V
Operating Voltage (V)	42V-55V	42V-55V	42V-55V
Maximum Charge/Discharge Current (A)	200A/200A	200A/200A	200A/200A
Communication Port	CAN, RS485		
Ingress Protection (IP) Rating	IP21		
Operating Temperature Range(°C)	-15-60°C		
Type of Cooling	Natural cooling		
Installation	Wall-mounted and floor-standing		
Cycle Life	> 6,000 times		> 8,000 times
Design Life	10+years (25°C@77°F)		
Recommended Depth of Discharge (DOD)	90%		
Dimensions (HxWxD)	900x395x165mm	1400x395x165mm	1400x395x165mm
Weight	90kg	130kg	136kg
Permissible Ambient Humidity	5% - 95%		
Permissible Altitude (m)	< 2,000		
Warranty	5 Years		
Safety Standards	CE UN38.3; IEC62619		
Scalability	Support parallel connection of 30+ units		
Ktech Cloud Platform	Yes		

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