



NP-WG165

- 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

Model	NP-WG165
Type	LiFePO4
Capacity	51.2V 320Ah
Rated Energy (kWh)	16.4
Usable Energy (kWh)	15
Peak Output Power (kW, 3s)	10
Round-trip Efficiency	≥97.5%
Rated Voltage (V)	51.2
Operating Voltage (V)	42-55
Maximum Charge/Discharge Current (A)	200/200
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	> 8,000 times
Design Life	10+years (25°C@77°F)
Recommended Depth of Discharge (DOD)	90%
Dimensions (HxWxD)	1400x395x165mm
Weight	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

