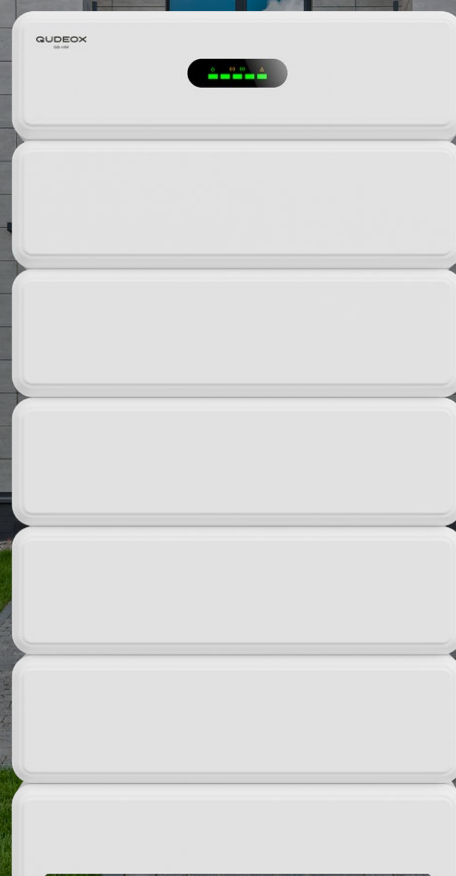


GUDEOX

QB-H5K Stackable LFP Battery System

High Voltage | 15kWh~50kWh



Efficient and reliable

High safety LiFePO4 chemistry
BMS complete protection
IP65 protection for indoor and outdoor use



User friendly

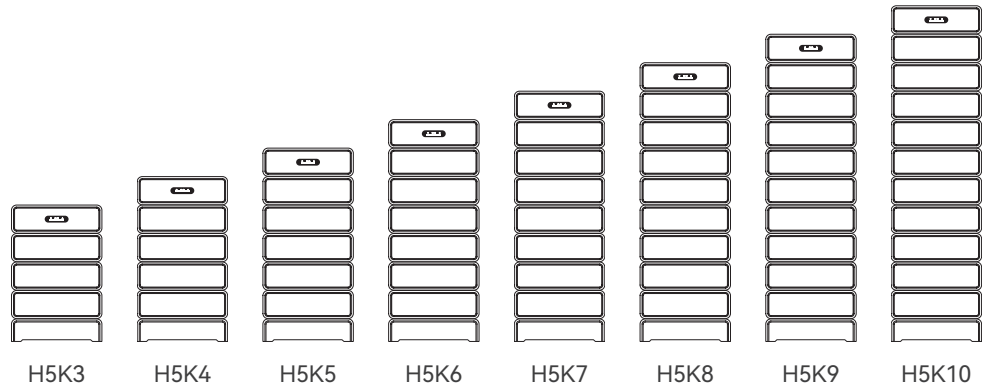
Color LED display, with easy
to read battery status
Online monitoring via app
Remote upgrade via inverter



Easy to install

Pre-wired communication
cables for plug and play
Modular design for stackable assembly
Simple lifetime energy capacity expansion

| **POWERING A SUSTAINABLE WORLD** |



Technical Data

Battery/PDU Modules								
Battery cell type	LFP / LiFePO4 (Lithium Iron Phosphate)							
Battery cell capacity	5.12kWh / 100Ah							
Battery cell configuration	16S1P							
PDU model	QB-H5K-PDU							
Dimensions (WxDxH)	630x380x180 mm							
General Data								
Number of battery modules	3 + PDU	4 + PDU	5 + PDU	6 + PDU	7 + PDU	8 + PDU	9 + PDU	10 + PDU
Rated capacity	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Rated voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460V	512V
Operating voltage range	120~175.2V	160~233.6V	200~292V	240~350.4V	280~408.8V	320~467.2V	400~584V	480~700.8V
Overcharge/Over-discharge protection voltage	115.2V / 86.4V (1s)							
Charge/Discharge overcurrent protection current	105A (5s) / 105A (5s), ≥180A (0.5s)							
Charge/Discharge protection temperature	0°C~55°C / -20°C~60°C							
Rated charge/discharge current	50A							
Maximum charge/discharge current	100A							
Communication interface	CAN, RS485							
Cycle life	6000 cycles							
Ingress protection rating	IP65							
Operating temperature	-15°C~45°C							
Operating relative humidity	5%~85%							
Maximum working altitude	2000 m							
Certifications	CE, IEC62619, UN38.3							
Weight	172 kg	220 kg	268 kg	316 kg	364 kg	412 kg	460 kg	508 kg
Dimensions (WxDxH)	630x380x(800 / 980 / 1160 / 1340 / 1520 / 1700 / 1880 / 2060) mm							

