

HOUSEHOLD ESS

Intelligent green electricity, zero-carbon life.



TELECOM

We have a full range of energy storage solutions, and provides reliable green energy security.

According to Frost & Sullivan, in 2023, we ranked the first among global telecom base station and data center energy storage battery providers in terms of shipment volume, achieving a market share of 10.4%.

As of December 31, 2023, we have served five of the world's top ten telecom operators and equipment manufacturers, nearly 30% of the world's top 100 telecom operators and equipment manufacturers, and all of China's top five telecom operators and equipment manufacturers.

We served 50% of top 10 Chinese self-owned data center companies and 60% of top 10 Chinese third-party data center companies. We have served our top five customers in 2021, 2022 and 2023 for an average of over nine years.



DATE CENTERS

We offers a comprehensive range of batteries designed specially to deliver dependable backup power for critical UPS applications.



SHUANG DENG GROUP

SMART ENERGY
EFFICIENCY MANAGEMENT
EXPERT

ABOUT
SHOTO



LOW VOLTAGE BATTERY STORAGE FOR RESIDENTIAL APPLICATION

HIGH-TECH ECO-FRIENDLY GLOBAL SMART ENERGY

Shoto is a leading manufacturer of green energy storage solutions. Since its founding in 1990, Shoto has built solid expertise in the field of energy storage and has become a convinced supporter of green energy. Shoto has successfully expanded its solutions for telecoms, data centers, energy storage systems and renewable energies worldwide with branches in all continents and more than 100million satisfied customers.

As one of the world's largest manufacturers of lead-acid batteries and lithium, Shoto has more than 30 years of experience and is one of the "China Top 100 Electronic Information Enterprises" and one of the "World Top 500 New" Energy Companies. SHOTO offers the highest safety and performance standards for battery solutions for private households and commercial purposes.

WHY SHOTO?

Vertical industry integrated

Self-designed and self-manufactured LFP cell, pack and rack to ensure the highest safety.

Modular design

Thanks to its modular and scalable design, it can be expanded to meet future energy requirements.

Longer life

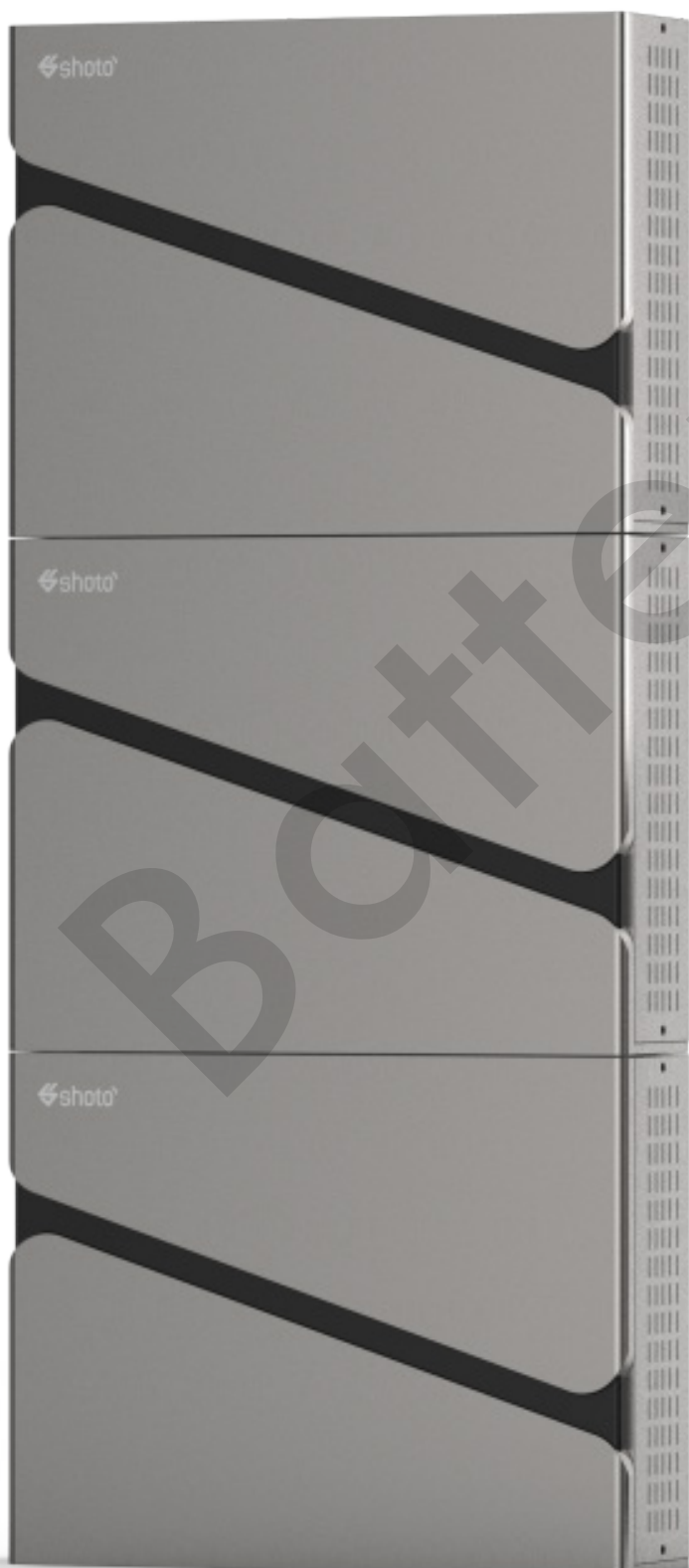
More than 10 years of design life at 90% DOD

Matching flexibility

Compatible with the most universal hybrid inverters.

Easy installation

Simple structure to reduce the installation time and cost.



Shoto HP10-Box5 Pro



01

Pile Up Design

02

Self (Automatic Configuration)

03

Wide Compatibility (Match 20+ Types of Inverters)

04

Three-level Security Protection
(BMS + Contactor + Fire Extinguisher)

05

Supports Wireless Readings

Technical Parameters

	HP10-Box5 Pro	HP10-Box10 Pro	HP10-Box15 Pro	HP10-Box20 Pro
Battery module	HP10-Box5 Pro (5.12 kWh)			
	1 module	2 module	3 module	4 module
Usable	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Max Output Power	5.12 kW	8.2 kW	12.3 kW	16.4 kW
Peak Output Power	5.4 kW , 10 s	10.5 kW , 10 s	15.5 kW , 10 s	20.0 kW , 10 s
Round-Trip Efficiency	94%			
Nominal Voltage	51.2 V			
Operating Voltage Range	45.0 ~ 56.4 V			
Communication	CAN / RS485			
Dimensions	(580±2) x (150±2) x (440±2) mm	(580±2) x (396±2) x (440±2) mm	(580±2) x (546±2) x (440±2) mm	(580±2) x (696±2) x (440±2) mm
Weight	48±2 Kg	103±2 Kg	149±2 Kg	195±2 Kg
Protection Level	IP21			
Operating Temperature	Charge : -5C to +50C Discharge : -20 to +50			
Scalability	Max 3 Systems in parallel / 60 kWh			
Compatible Inverters	Deye / Goodwe / Luxpower / Victron / SMA / Growatt / Sofar / SRNE / TBB / Megarevo / Soruide / Sungrow / Solis / Voltronic / Epever etc.			
Certification	UL1973 / IEC62619 / CE-EMC / UN38.3			

Always buy from authentic source: www.batterymax.pk