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SHENZHEN TAICO TECHNOLOGY CO, LTD

PRODUCT CATALOG 2024-2025



Website: www.TaicoPower.com



ABOUT TAICO

TAICO Technology Co., Ltd., established in April 2002, has rapidly developed into a large-scale manufacturing factory integrating R&D, design, and production. We focus on innovation and breakthroughs in battery technology, striving for excellence from BMS design of electrical systems, battery modules to finished battery pack testing. We also provide OEM、ODM services to meet the diverse needs, and have successfully created core products such as home, industrial and commercial energy storage systems.

TAICO has a technically strong team and well-trained workforce, which is the core strength of our continuous development and innovation. At the same time, advanced automated production lines also provide us with efficient and stable production capabilities.

In terms of quality control, TAICO always follow the guidance of ISO9001 international standards and strictly controls every aspect of the production process. At present, the company has won 3 major certification systems: ISO9001, ISO14001 and ISO45001. It's not only recognition of our management level, but also a strong guarantee of product quality. Meanwhile, our products have also passed multiple international certifications such as CE, ROHS, UN38.3, MSDS, UL, IEC and DG dangerous goods packaging, ensuring that the safety, environmental protection and reliability of our products reach the international advanced level.

TAICO is determined to become a well-known brand in the battery industry within 10 years and a leader in the new energy industry within 20 years. We will adhere to the values of "customers first, teamwork, honesty and trustworthiness, and active hard work", constantly pursue excellence and innovation, and make unremitting efforts to realize the green energy dream!

Certificate





More than **340+**
designs innovative battery packs


8 worldwide
warehouses


15000
square meter factory


53,000 units
monthly production


Families served
300000 +


Global Footprints
100 +

TAICO Oversea Branches



Battery delivery from your local with service center



Localized after-sales service



Certificate: UL/CE/IEC/MSDS/ROHS/UN38.3/ISO45001/ISO14001/ISO9001



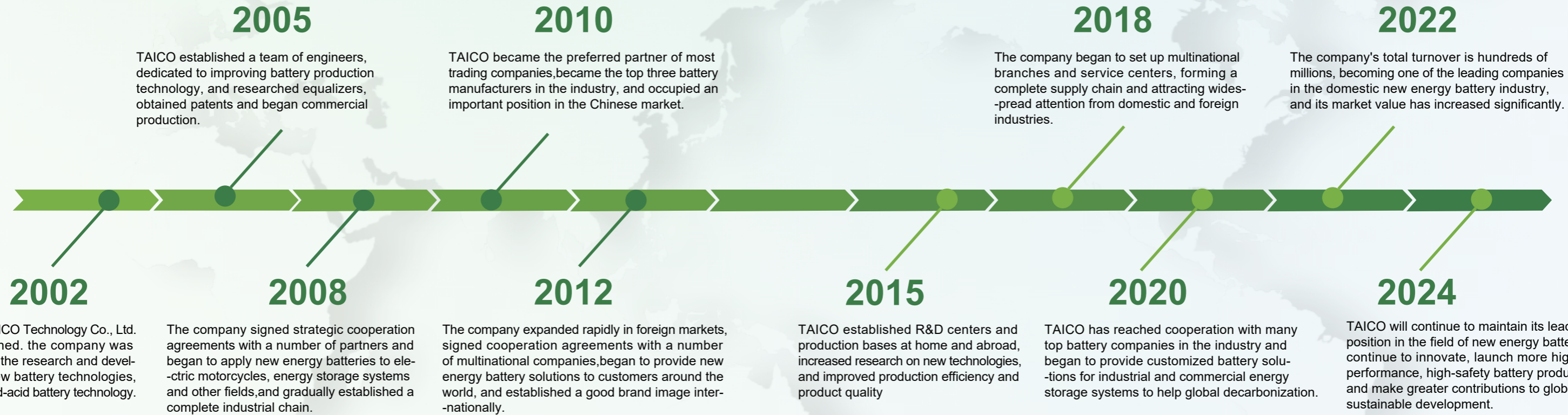
Overseas warehouse/local warehouse



Local engineer technical support



DEVELOPMENT HISTORY



01 Factory Facilities 1/2

- Office area
- Store house
- Assembly workshop
- Auto-Production Line
- Huizhou manufacturing base
- Battery performance testing workshop

02 Solid Lithium / Rack Mount LiFePO₄ Battery 3/4

TKS500 TKS1000
TK500 TK720 TK1000 TK1500



03 T-ONE Series LiFePO₄ Battery 5/6

T-ONE-5000 T-ONE-10000 T-ONE-15000 T-ONE-16000
T-ONE-S5000 T-ONE-S10000
TKPW-2400 TKPW-5000 TKPW-M5500 TKPW-7500
TKPW-8000 TKPW-10000 TKPW-7680
TKPW-S5000 TKPW-S5500



04 LiFePO₄ Battery With Wheels 7/8

TKRB-1000 TKRB-1500 TKRB-1800
TKRB-2000 TKRB-2800 TKRB-3000
TKRB-T1500 TKRB-T1600
TKRB-L1500 TKRB-L2000



05 Industrial Solar Storage System 9/10-11/12

TK E-Cube A100 TK E-Cube A200 TK E-Cube L200
50KW/100KWH 30KW/215KWH 100KW/215KWH
TK E-Cube A500 TK E-Cube A1000
100KW/500KWH 100KW/1MWH
TK E-Cube A1500 TK E-Cube A1200
300KW/1.5MWH 600KW/1.2MWH
TK E-Cube A2000
400KW/2MWH



06 High Voltage Battery System--Rack Mount 13/14

TKHV102V50-280AH TKHV409.6V50-280AH
TKHV204.8V50-280AH TKHV512V50-280AH
TKHV256V50-280AH



07 High Voltage Battery System-- Stackable 15/16

TKPH-S10 TKPH-S15 TKPH-S20 TKPH-S25
TKPH-S30



08 Stackable Series LifePO4 Battery 17/18

TKPS-A5 TKPS-A10 TKPS-T15 TKPS-A15 TKPS-A20
TKPS-A25 TKPS-A30



09 Inverter 19/26

TK60G-SPM-EU TK80G-SPM-EU TK100G-SPM-EU TK120G-SPM-EU
TK60G-TPM-EU TK80G-TPM-EU TK100G-TPM-EU TK120G-TPM-EU
TK100G-TPS-EU TK200G-TPS-EU TK300G-TPS-EU TK400G-TPS-EU
TK500G-TPS-EU
TAICO-PV5000-24 TAICO-PV6000-48



10 12~24V~48V LiFePO4 Battery 27/28

LFP12-50 LFP12-100 LFP12-150
LFP12-200 LFP12-300 LFP12-400
LFP25.6-100 LFP25.6-200 LFP51.2-100



11 Portable Power Station 29/30

TK100 TK150 TK300
TK500 TK500Pro TK1000
TK2000



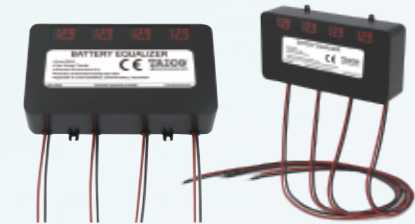
12 Golf Cart LiFePO4 Battery 31/32

TGLF36-100 TGLF48-60 TGLF48-80
TGLF48-100 TGLF48-200 TGLF72-100
TGLF72-200



13 Battery Equalizer 33/34

BE12 BE24 BEL24
BE48 BEL48 BE192
BE72 BE96



14 Project Cases 35/36

- Golf battery case
- Solar storage project case



Huizhou manufacturing base



Battery performance testing workshop



Auto-Production Line



Assembly workshop



Cells performance testing workshop



Office area



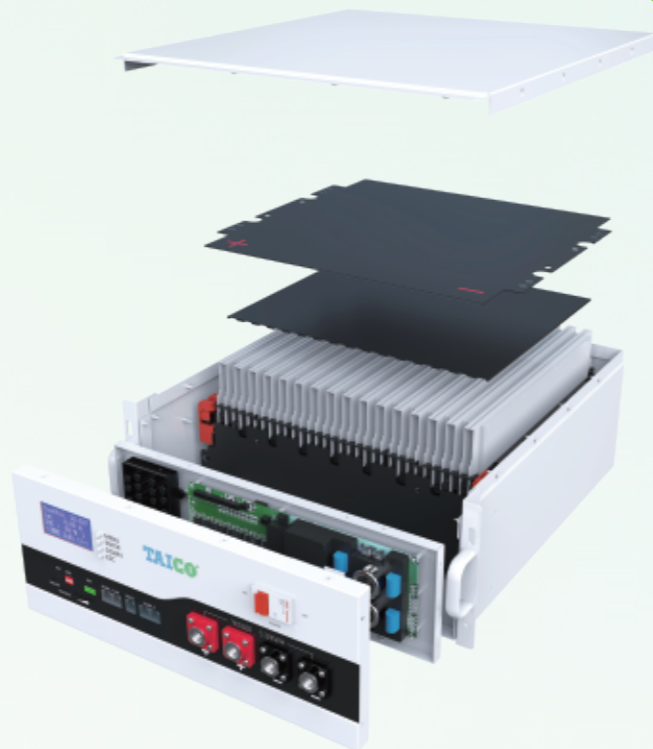
Store house

Solid Lithium Battery

Even when the battery is pierced, No explosion, No fire will happen. And it can be continuous to be used normally.

NEW

TKS500 TKS500P



- ✔ **High security**
 Solid electrolyte is non-flammable
- ✔ **With higher energy density**
 Can reach 420WH/L
- ✔ **Supports high current charging and multiple discharging**
 Continuous 1C charging,
 1C discharging



Specification parameter

Model Number	TKS-500	TKS-1000	TK-500	TK-720	TK-1000	TK-1500
Rated battery power	5.12KWH	10.24KWH	5.12KWH	7.68KWH	10.24KWH	15.36KWH
Norminal capacity	100Ah	200Ah	100Ah	150Ah	200Ah	300Ah
Rated voltage	51.2V					
Life cycle	>6000					
DC normal charge voltage	58.4±1Vdc					
Recommended charge current	50-200A					
Allowed Max. discharge current	100-200A					
Charge Temperature	0°C to 45°C (32°F to 113°F)					
Storage Temperature	0°C to 40°C(32°F to 104°F)					
Cell type	Solid Lithium Battery			Prismatic cell		

Rack Mounted – LiFePO4 Battery Pack



T-ONE Series LiFePO₄ Battery

TAICO Flagship battery

Top configuration builds up high-end product

NEW

T-one 5000 & 10000



- ✓ **Smart App Monitoring**
- ✓ **Interactive Touch Screen**
- ✓ **Max Support 32 Parallels**
- ✓ **Big Power 200A Smart BMS**
- ✓ **Rigorous Structure, TECH-A Brand Cell**



Specification parameter

Model Number	T-ONE-5000	T-ONE-7200	T-ONE-10000	T-ONE-15000
Rated battery power	5.12KWH	7.68KWH	10.24KWH	15.36KWH
Norminal capacity	100AH	150AH	200AH	300AH
Norminal Voltage	51.2V			
Life cycle	>6000			
DC normal charge voltage	58.4±1Vdc			
Recommended charge current	≤50A			
Allowed Max. discharge current	100A	200A		
Charge Temperature	0°C to 45°C (32°F to 113°F)			
Storage Temperature	0°C to 40°C(32°F to 104°F)			
Cell type	Prismatic cell			

LiFePO₄ Power Wall Battery The Best Choice For HOME SOLAR STORAGE!

High-end, elegant design and space-saving than all standard batteries. Using grade A prismatic cells, PW series has even longer cycle life for usage!



360° Universal Auxiliary Wheels

NEW

TKRB -T1500 & T1600

- ✓ Smart App Monitoring
- ✓ Interactive Touch Screen
- ✓ Max Support 16 Parallels
- ✓ Big Power 200A Smart BMS





Specification parameter

Model Number	TKRB1500-T	TKRB1600	TKRB1500	TKRB1800	TKRB2000
Rated battery power	15.36KWH	16.08KWH	15.36KWH	17.92KWH	20.48KWH
Norminal capacity	300Ah	314Ah	300Ah	350Ah	400Ah
Norminal Voltage	51.2V				
Life cycle	>6000				
DC normal charge voltage	58.4±1Vdc				
Recommended charge current	≤50A				
Allowed Max. discharge current	200A				
Charge Temperature	0°C to 45°C (32°F to 113°F)				
Storage Temperature	0°C to 40°C(32°F to 104°F)				
Cell type	Prismatic cell				

Vertical Roller LiFePo4 Battery

360° Universal auxiliary wheels ,easy to move. Support max pcs to parallel ,flexible to choose capacity you want!



All-in-one PV ESS Converter is highly integrated with long-life lithium iron battery, BMS, hybrid inverter, EMS, temperature control system, fire protection system and load distribution system.



Safety

Four-in-one safety design



Management

Intelligent energy management



Low costs

No capacity loss



Module&flexible

Free combination, fast configuration



Specification parameter

Model	TK E-Cube L200	TK E-Cube A200	TK E-Cube A100
PV parameters	Max.Input power	100KW	50KW
	Start-up voltage	135V	
	PV Max voltage	1000Vdc	
	PV rated voltage	620Vdc	
ESS parameters	Rated power	215KWh	100KWh
	Rated capacity	280Ah	160Ah
	Rated voltage	768Vdc	614.4Vdc
	Battery voltage range	672 ~ 864Vdc	537.6 ~ 691.2 Vdc
	Rated charge/discharge current	130A	80A
	Max.charge/discharge current	280A	160A
Working Condition	Rated output power	100KW	50KW
	Max.input apparent power	110KVA	60 KVA
	Max.output current	166A	83A
	Rated voltage(input&output)	380VAC ~	3L/N/PE; 220/380V; 230/400V;240/415V
	Grid frequency	50Hz/60Hz	
	THDu	<3%@ rated power& linear load	
Efficiency parameters	Max.PV conversion efficiency	98.8%	
	EU efficiency	98.8%	
Ambient parameters	Operating temperature	-25°C~55°C(45°Cderating)	
	Storage temperature	-20°C~45°C	
	Cooling mode	Liquid Cooling	Smart air conditioner, smart fan
Other parameters	Dimension(W*H*D)	1300*1235*2466mm	1100*1100*2000mm
	Weight	2500 kg	1300 kg
	Ingress protection	IP54	IP54
	Communication mode	CAN, RS485, WiFi/LAN	

Industrial solar storage system

500KW 1505KWh LiFePO4 Battery Energy Storage System



Diversified functions



Security configuration



Family control level management



Convenient operation and maintenance



Features:

1. Standard container design facilitates transportation and installation
2. Reactive power compensation isolated network independent operation function
3. Outdoor application design environment adapts well
4. Support multiple working modes
5. The three-level BMS management system comprehensively guarantees system security.



Specification parameter

Model Number		500KW 1505KWh
Rated battery power		500kW
Rated capacity		1505KWh
Output wiring		Three-phase four-wire/The-phase five-wire
On-grid Mode	Rated output voltage	315Vac/400Vac
	Output voltage range	85%Un~110%Un
	Rated output frequency	50Hz
	Frequency range	49.5Hz~50.5Hz
	THDI	<3%
Power factor		-0.9~0.9
Off-grid with load	Rated output voltage	400V
	Output voltage precision	<±3%
	THD	<1%
	Rated output frequency	50±2%Hz
	Voltage variation range	<10%
Max. System efficiency		88%
Storage temperature		-35°C~55°C
Work temperature		-25°C~40°C
Relative work humidity		5%~95%
Altitude		≤2000m
Noise level		≤65dB
IP level		IP54
Pollution level		Level 2
External communication interface		Ethernet
Container dimensions		12192*2438*2896mm

High Voltage Battery System--Rack Mount

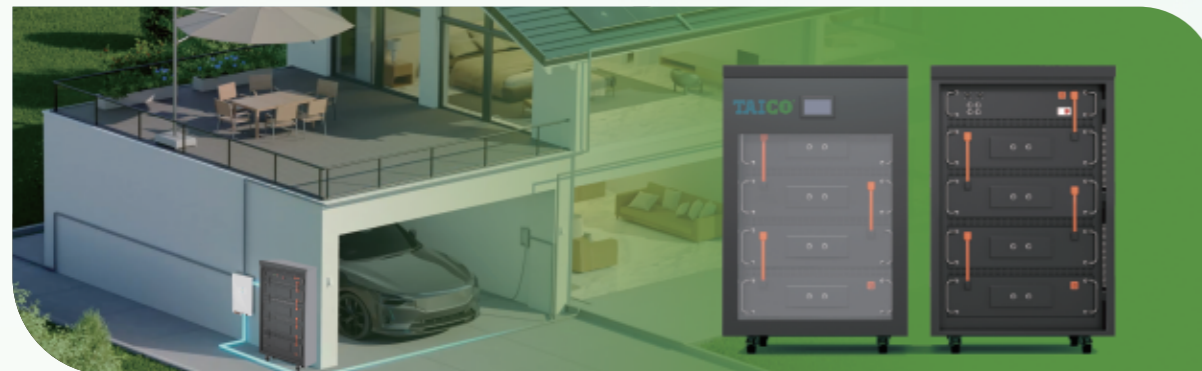


96V ~ 800V commercial/industrial lifepo4 battery



Features:

1. Wide AC voltage choices 96V ~ 800V
2. Produce in premium prismatic cells from CATL, BYD, EVE and Great Power etc;
3. 6000+ cycles and 5-10 years warranty;
4. Certified by IEC62619, UL1973, UN38.3, CE certificates;
5. With smart master control system for remote control;
6. Customized systems and OEM requests are all welcomed!

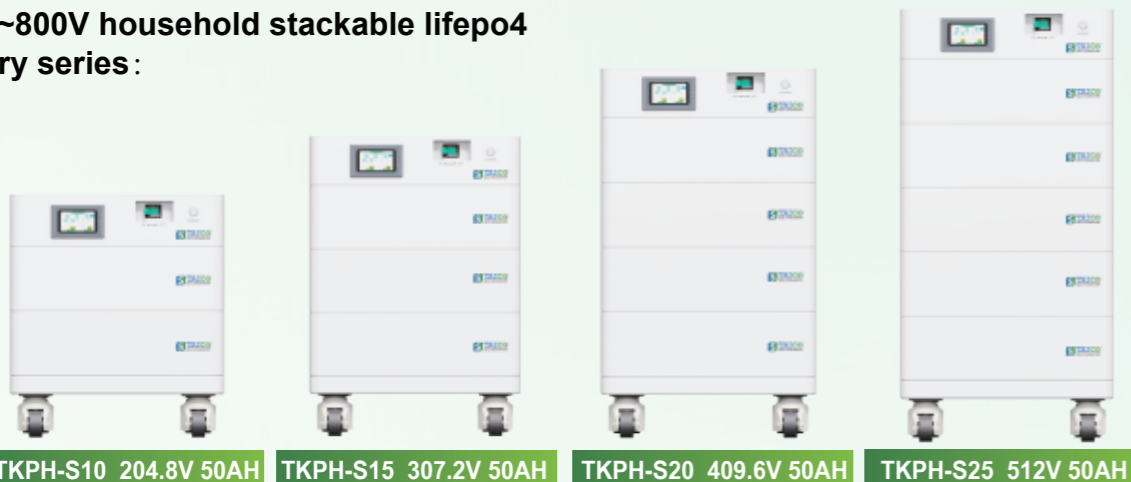


Specification parameter

Model Number	TKHV102105	TKHV204105	TKHV256105	TKHV409105	TKHV512105	TKHV614105
Rated voltage	102.4V	204.8V	256V	409.6V	512V	614.4V
Working voltage range	80-116.8V	160-230.4V	200-288V	320-460.8V	400-576V	480-691.2V
Charge voltage	108.8-112V	217-230.4V	272-288V	428-435V	544-576V	652-691.2V
Floating charge voltage	107.2-108.8V	214.4-217V	268-272V	428-435V	536-544V	643-652V
Rated capacity	105Ah					
Energy	10.75KWH	21.50KWH	26.88KWH	43.01KWH	53.76KWH	64.51KWH
Rated charge current	50A					
Peak charge current	105A					
Rated discharge current	105A					
Peak discharge current	210A					
Charge temperature	0-55°C					
Discharge temperature	-10-55°C					
Optimum temperature	15-25C					
Cooling method	Natural cooling					
Relative humidity	5%-95%					
Altitude	≤2000M					
Cycle Life	6000+					
Communication interfaces	CAN2.0 /RS485 /Dry					
Protection	Over temperature, over current, over voltage, insulation and other multiple protection					
Display	LCD					
Design lifetime	15-20years					
Certification	UN38.3/UL1973/IEC62619					
Dimension (L×W×H)	600x600x550	600x600x1287	600x600x1510	(600x600x1287)x2	(600x600x1510)x2	(600x660x1954M)x2
Weight	145KG	275KG	325KG	540KG	630KG	850KG
Module mode	51.2V105AH					
SeriaVParallel	16S1P					
Number of modules	2PCS	4PCS	5PCS	8PCS	10PCS	12PCS
Battery type	LiFePO4					

High Voltage Battery System--Stackable

102V~800V household stackable lifepo4 battery series :



TKPH-S10 204.8V 50AH TKPH-S15 307.2V 50AH TKPH-S20 409.6V 50AH TKPH-S25 512V 50AH

Advanced furniture design, supporting large installations in series & parallels:

Features:

1. Using Solid lithium cells, long lifespan in 15-20 years;
2. Customzie voltage from 100V-800V and any voltage demands;
3. Furniture cabinet design, more intelligent in style;
4. High discharge rate, while maintain high energy capacity.
5. Smart BMS supporting remote monitoring and real-time observation.



Specification parameter

Product number	TKPH-S10	TKPH-S15	TKPH-S20	TKPH-S25	TKPH-S30
Rated voltage	204.8V	307.2V	409.6V	512V	614.4V
Working voltage range	168-230.4V	252-345.6V	336-460.8V	420-576V	504-691.2V
Rated capacity	50AH				
Energy	10.24KWH	15.36KWH	20.48KWH	25.6KWH	30.72KWH
Rated charge current	50A				
Peak charge current	50A				
Rated discharge current	25A				
Peak discharge current	50A				
Charge temperature	0-55°C				
Discharge temperature	-10-55°C				
Optimum temperature	15-25°C				
Cooling method	Natural cooling				
Relative humidity	5%-95%				
Altitude	≤2000M				
Cycle Life	≥6000 times @ 80% DOD, 0.5C/0.5C, 25°C				
Communication interfaces	CAN2.0/RS485/Dry				
Protection	Over temperature, over current, over voltage, insulation and other multiple protection				
Display	LCD				
Design lifetime	≥10 years				
Certification	UN38.3/UL1973/IEC62619				
Dimension (L*W*H)	600x450x672	600x450x852	600x450x1032	580x430x1212	600x450x1392
Weight	115KG	160KG	205KG	250KG	295KG
Seria/Parallel	64S1P	96S1P	128S1P	160S1P	192S1P
Module dimension	600x450x180MM				
Module weight	45KG				
Number of modules	2PCS	3PCS	4PCS	5PCS	6PCS
Battery type	Solid lithium				

Stackable Series LifePo4 Battery

5.12KWH~30.72KWH household stackable lifepo4 battery series :



Advanced furniture design, supporting large installations in series & parallels:

Features:

1. Using Solid lithium cells, long lifespan in 15-20 years;
2. Furniture cabinet design, more intelligent in style;
3. High discharge rate, while maintain high energy capacity.
4. Smart BMS supporting remote monitoring and real-time observation.









Specification parameter

ESS BATTERY							
Model	TKPSA5	TKPS - A10	TKPS- 15	TKPS- A15	TKPS -A20	TKPS - A25	TKPS -A30
Ratedvoltage	51.2V						
Workingvoltage	42-58.4V						
Chargevoltage	58.4V						
Ratedcapacity	100AH	200AH	300AH	300AH	400AH	500AH	600AH
Energy	5.12KWH	10.24KWH	15.36KWH	15.36KWH	20.48KWH	25.6KWH	30.72KWH
Ratedchargecurrent	100A						
Peakchargecurrent	100A						
Rateddischargecurrent	100A						
Peakdischargecurrent	150A						
Charge	0-5°C						
Discharge	-10-55°C						
Optimum	15-25°C						
Cooling	Naturalcooling						
Relativehumidity	5%-95%						
Altitude	≤2000M						
CycleLife	≥4000 @80%DOD, 0.5C/0.5C 25°C						
Communication	CAN/RS485/RS232						
Protection	Over-temperature, over-current and over-voltage protection						
Designlifetime	≥10 years						
Dimension (L*W*H)	600*450*497	600*450*677	600*450*857	600*450*857	600*450*1037	600*450*1217	600*450*1397
Weight	75KG	125KG	175KG	175KG	225KG	275KG	375KG
Batterytype	LiFePO4						
ESS hybrid inverter							
Inverting mode							
Outputvoltage	Puresine wave						
Ratedoutputpower(VA)	6000						
Ratedoutputpower(W)	5000						
Ratedoutputvoltage(Vac)	220/230Vac						
Outputvoltageerror	±5%						
Outputfrequency	50/60HZ						
AC charge							
Chargevoltage	40-60Vdc						
Chargecurrenterror	±5Adc						
Maximumchargecurrent	60A						
Solar charge							
MaximumPV opencircuitvoltage	500Vdc						
PV operationvoltage	120-500Vdc						
MPPTvoltage	120-500Vdc						
Batteryvoltage	40-60Vdc						
Maximumoutputpower	5000W						
Noiseemission(dB)	<35						
Operationtemperature	-15°C ~ 55°C						
Storage	-25°C ~ 55°C						

Inverter

Single Phase Hybrid Inverter TK60G&80G&100G&120G-SPM-EU



-  Support storing energy from diesel generator
-  Max.16 pcs parallel for on-grid and off-grid operation, Support multiple batteries parallel
-  6 time periods for battery charging/discharging
-  AC Coupling to retrofit existing solar system
-  Max. charging/discharging current 190A
-  Colorful touch LCD, IP65 protection degree



Specification parameter

Model	TK60G-SPM-EU	TK80G-SPM-EU	TK100G-SPM-EU	TK120G-SPM-EU
PV String Input Data				
Max. DC Input Power (W)	7800	10400	13000	15600
Rated PV Input Voltage (V)	370(125~500)	370(125~500)	370(125~500)	370(125~500)
Full Load MPPT Voltage Range (V)	300-430	200-430	200-425	200-425
Max. DC Short Circuit Current (A)	22+22	34+34	34+34	34+34
AC Output Data				
Max AC Output Power (W)	6600	8800	11000	13200
Max AC Output Current (A)	30	40	47.8	57.4
Peak Power (off grid)	2 times of rated power, 10 S			
AC Output Frequency and Voltage	50/60Hz; L/N/PE220/230Vac			
Grid Type	Single Phase			
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40~60	40~60	40~60	40~60
Max. Charging Current (A)	135	190	220	250
Max. Discharging Current (A)	135	190	220	250
External Temperature Sensor	Yes	Yes	Yes	Yes
Charging Curve	3 Stages/Equalization	3 Stages/Equalization	3 Stages/Equalization	3 Stages/Equalization
General Data				
Operating Temperature Range (c)	-40~60°C, >45°C Derating			
Cooling	Smart Cooling			
Communication with BMS	RS485; CAN			
Monitoring mode	WIFI, APP			
Package size (WxHxD mm)	700x460x380mm	760x540x400mm	770x560x400mm	
Protection Degree	IP65			

Inverter

Three Phase Hybrid Inverter TK60G&80G&100G&120G-TPM-EU



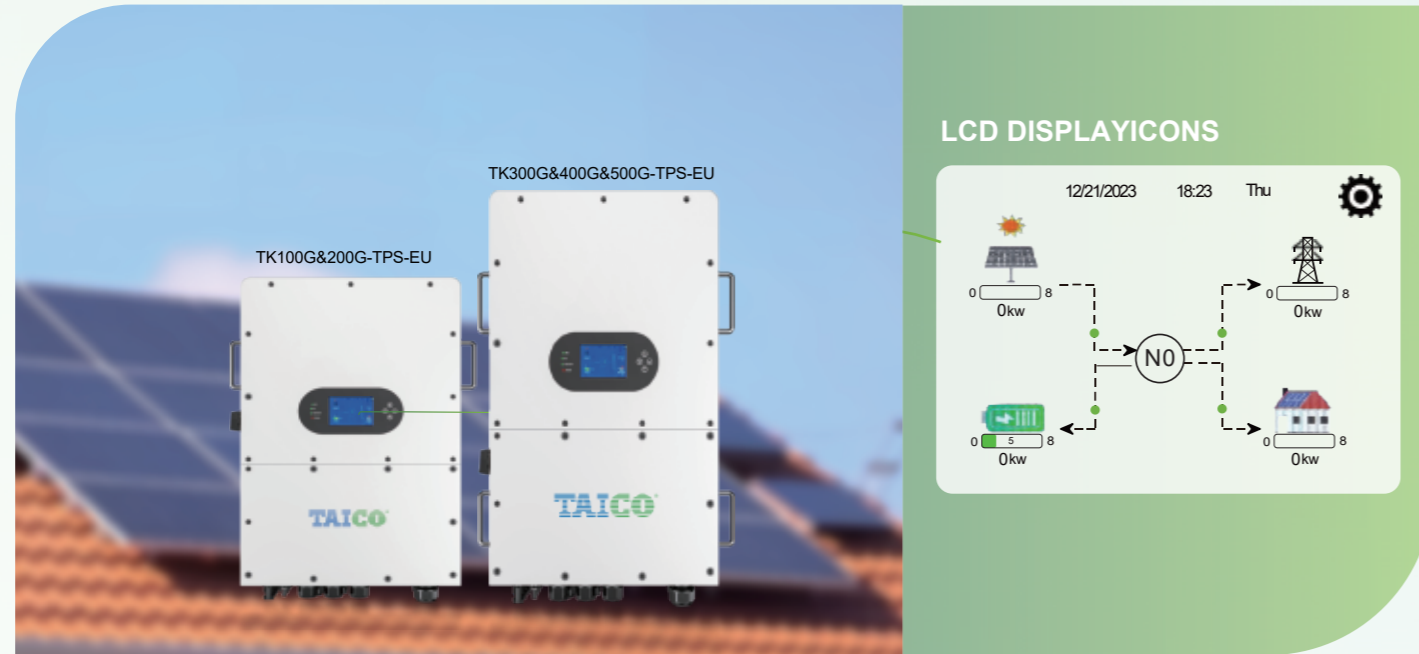
- 100% Three-phase unbalanced output, with each phase capable of delivering up to 50% of the rated power
- Max. 10 pcs parallel for on-grid and off-grid operation, Support multiple batteries parallel
- 48V low voltage battery, transformer isolation design

- Support storing energy from diesel generator
- 6 time periods for battery charging/discharging
- Max. charging/discharging current of 240A
- AC coupling to retrofit existing solar system

Specification parameter

Model	TK60G-TPM-EU	TK80G-TPM-EU	TK100G-TPM-EU	TK120G-TPM-EU
PV String Input Data				
Max. DC Input Power (W)	7800	10400	13000	15600
Rated PV Input Voltage (V)	550 (160-800)			
Full Load MPPT Voltage Range (V)	350-650			
Max. DC Input Current (A)	13+13		26+13	
Max. DC Short Circuit Current (A)	17+17		34+17	
AC Output Data				
Max AC Output Power (W)	6600	8800	11000	13200
Max AC Output Current (A)	10	13.4	18.4	20
Max Output short circuit current (A)	75			
Peak Power (off grid)	2 times of rated power, 10 S			
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380Vac, 230/400Vac			
Grid Type	Three Phase			
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40~60			
Max. Charging Current (A)	120	160	220	240
Max. Discharging Current (A)	120	160	200	240
External Temperature Sensor	Yes			
Charging Curve	3 Stages/Equalization			
General Data				
Operating Temperature Range (c)	-40~60°C, >45°C Derating			
Cooling	Smart Cooling			
Communication with BMS	RS485; CAN			
Monitoring mode	Wi-Fi+APP			
Protection Degree	IP65			

Three Phase Hybrid Inverter TK100G&200G&300G&400G&500G-TPS-EU



- 100% Three-phase unbalanced output, with each phase capable of delivering up to 50% of the rated power
- Support multiple batteries parallel
- High voltage battery, Higher efficiency

- Support storing energy from diesel generator
- 6 time periods for battery charging/discharging
- Max. 10 PCS parallel for on-grid and off-grid
- AC coupling to retrofit existing solar system

Specification parameter

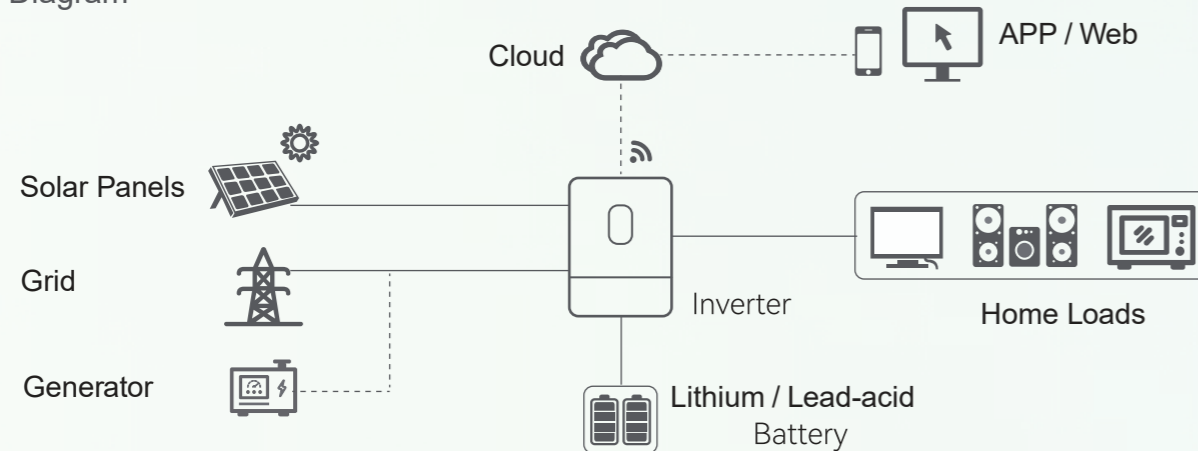
Model	TK100G-TPS-EU	TK200G-TPS-EU	TK300G-TPS-EU	TK400G-TPS-EU	TK500G-TPS-EU
PV String Input Data					
Max. DC Input Power (W)	13000	26000	39000	52000	65000
Max. DC Input Voltage (V)	1000				
Full Load MPPT Voltage Range (V)	325-850	500-850	360-850	360-850	450-850
AC Output Data					
PV Input Current (A)	20+20	26+26	36+36+36	36+36+36+36	
Max AC Output Power (W)	11000	22000	33000	44000	55000
Max AC Output Current (A)	16.5	33.0	50.2	60.9	83.6
Max. Three-phase Unbalanced Output Current (A)	22	35	60	70	83.3
Peak Power (off grid)	1.5 times of rated power, 10 S				
Generator Input/Smart Load/AC Couple Current (A)	15.2/40/15.2	30.4/80/30.4	45.5 / 200 / 45.5	60.7 / 200 / 60.7	75.8 / 200 / 75.8
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380Vac, 230/400Vac				
Grid Type	Three Phase				
Battery Input Data					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	160-700		160-800		
Max.Charging Current (A)	37		50+50		
Max.Discharging Current(A)	37		50+50		
Number of Battery Input	1		2		
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
General Data					
Operating Temperature Range (c)	-40-60°C, >45°C Derating				
Cooling	Smart Cooling				
Communication with BMS	CAN				
Monitoring mode	Wi-Fi+APP				
Protection Degree	IP65				

Inverter

Single Phase Off-grid Inverter TAICO-PV5000-24 TAICO-PV6000-48



System Diagram



Specification parameter



Model	TAICO-PV5000-24	TAICO-PV6000-48
AC Input		
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE	
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)	
Frequency (Hz)	50 / 60 (Auto Adaptive)	
AC Output		
Rated Capacity (kW)	3.6	5
Surge Power (kVA)	5.7	10
Voltage (VAC)	208 / 220 / 230 / 240	
Power Factor (PF)	1	
Frequency	50/60Hz±0.1%	
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)	
Wave Form	Pure Sine Wave	
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load	
Max. Efficiency (Battery Mode)	92.7%@24VDC	93%@48VDC
Parallel Quantity	NA	9
Charger (PV / AC)		
Solar Charger Type	MPPT	
Max PV input Current / Input Power	18A / 5000W	18A / 6000W
MPPT Range@Operating Voltage (VDC)	40~450	120~450
Max PV Open Circuit Voltage (VDC)	500	500
Max PV Charge Current (A)	100	80
Max AC Charge Current (A)	100	80
Max. Charge Current (PV + AC) (A)	100	80
Battery		
Rated Voltage (VDC)	24	48
Floating Charge Voltage (VDC)	27	54
Overcharge Protection (VDC)	30.5	61
Battery Type	Lithium and Lead-acid	
Interface		
HMI	LCD	
Interface	RS485 / RS232 / USB / Dry Contact	
Monitoring	WiFi (Optional)	
General Data		
Ingress Protection	IP21	
Operating Temperature	-10 °C ~ 50 °C	
Relative Humidity	5% ~ 95% (Non-condensing)	
Storage Temperature	-15 °C ~ 60 °C	
Net Weight (kg)	6.4	9.5
Dimensions (W*H*D)	490*306*115mm (without bracket)	510*306*115mm (without bracket)
Max. Operating Altitude	4000m (Derating above 1000m)	4000m (Derating above 1000m)

12~24V~48V LiFePO4 Battery

TAICO 12.8V LiFePO4 Battery, support for OEM and can serial into 24V, 36V and 48V systems, is the perfect replacements of lead acid battery. Being widely used in RV, Marine, Solar and Street lights etc.



Features:

1. Perfectly Replacing Lead Acid Batteries;
2. Grade A Brand New LiFePO4 Cells with 4000 Cycles
3. Optional High Power Supports 1200CCA to drive car engine;
5. Built-in Smart BMS, Optional Function: Bluetooth, GPS Location, Self-Heat, USB/DC/12V Outlet Plug, LCD display, Self-Balance etc



Applications:



RV



CAMPER



MARINE



SOLAR

Specification parameter

Model Number	LFP12-50	LFP12-100	LFP12-150	LFP12-200	LFP12-300	LFP25.6-100	LFP25.6-200	LFP51.2-100
Rated battery power	640WH	1280WH	1920WH	2560WH	3840WH	2560WH	5120WH	5120WH
Nominal capacity	50Ah	100Ah	150Ah	200Ah	300Ah	100Ah	200Ah	100Ah
Rated voltage	12.8V					25.6V		51.2V
Life cycle	4000 cycles							
DC normal charge voltage	14.4-14.6V							
Recommended charge current	≤0.5C							
Allowed Max. discharge current	1C							
Charge temperature	0°C to 45°C(32°F to 113°F)							
Storage Temperature	0°C to 40°C(32°F to 104°F)							

Features:

- 100W-2000W Power Optional
- Wide application, plug and play;
- With handle, small size, easy to carry
- Customize packaging and logo
- Match MSDS UN38.3, TUV ISO9001 certificates
- Multi-functional, matching sockets of different devices



TK300(307.2Wh)



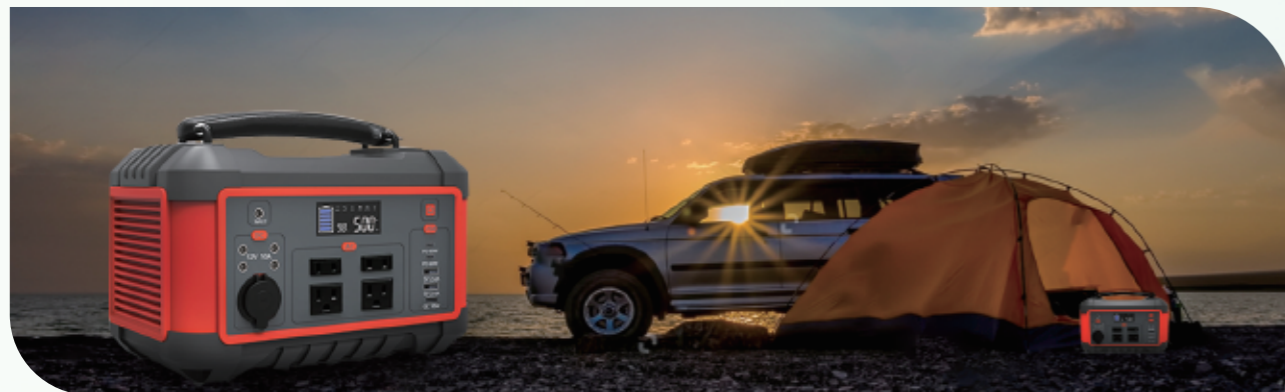
TK500Pro(500Wh)



TK500(555Wh)



TK1000Pro(1100Wh)



Specification parameter

Model Number	TK100	TK100Pro	TK300	TK500	TK1000
Output waveform	Modified sine wave			Pure sine wave	
Size	220 x 98 x 42	161 x 112 x 108	297 x 193 x 190	294 x 185 x 185	290 x 190 x 270
Rated capacity	99.9Wh	99.9Wh	307.2Wh	555Wh	1100Wh
Weight	760g	1.67kg	1.67kg	6.5Kg	12Kg
Charging time	About 4hrs	About 4hrs	About 5hrs	About 6 hrs	
DC Input	13V-28V, 2A Max (5.5mm Port)	16V-28V, 1.25A Max (5.5mm Port)	12-28V, 5A Max (5.5mm Port)	10V-28V, 10A max (5.5mm Port)	
DC Output(cigarette lighter)	/	/	/	12V/10A	
DC Output	12V/6A(10A Max) 5V, 2A Max.	12.6-16.8V/6A (10A Max)	12V /10A (2xDC port, 5.5mm)	12V / 10A (4xDC port, 5.5mm)	
USB-C1	Input 5V, 2A Max.	Input 5V, 3A Max.	Output PD20W	Input PD100W, Output PD100W	
USB-C 2	Input 5V, 2A Max.	Input 5V, 3A Max.	Input 5V, 3A Max.	Output PD60W	
USB-A output 1 & 2	5V/2.1, Total 5V/3.5A Max	5V/2.1, Total 5V/3.5A Max	QC 18W	5V12.4A	
USB-A output 3	/	/	/	QC 18W	
Wireless Charger	*Optional, 10W	*Optional, 10W	*Optional, 10W	/	
AC output	100W	100W	300W	550W, Continuous Output 600W	1000W, Continuous Output 1200W
LED	a Torch, 3 Modes: Lighting, Strobe, SOS.	a Torch, 3 Modes: Lighting, Strobe, SOS. a Work Light : Lighting	a LED Light, 3 Modes: Lighting, Strobe, SOS.	a LED Light, 3 Modes: Lighting, Strobe, SOS.	
Total Output Ports	4 Ports: 1x AC, 1x DC, 2x USB-A1 x Wireless Charger (Optional)	6 Ports: 1x AC, 1x DC, 2x USB-A, 1x USB-C, 1x 12V Jump Start, 1 x Wireless Charger (Optional)	8 Ports: 1x AC, 2x DC, 1x Car Port, 2x USB-A, 2 x USB-C, 1 x Wireless Charger (Optional)	12 Ports: 2x AC, 4x DC, 1x Car Port, 3 x USB-A, 2x USB-C	13 Ports: 3x AC, 4x DC, 1x Car Port, 3x USB-A, 2x USB-C
Total Output Power (All ports loaded)	200W Max	200W Max	350W Max	750W Max	1500W Max

Golf Cart LiFePO4 Battery

TAICO Golf Cart LiFePO4 Battery Series are High-Performance batteries specially designed for EZGO, Club Car, Yamaha, and other golf cart brands. TGLF series battery can replace perfectly for customer's old lead acid type!



1. Built-in BMS with Big Discharge Rate;
2. OEM Battery Design and Size;
3. Custom Digital LCD display;
4. CAN Bus/ Bluetooth communication;
5. Any Capacities in 36V, 48V and 72V;
6. Outstanding hill-climbing power and acceleration;



Specification parameter

Product number	TGLF36-100	TGLF48-60	TGLF48-80	TGLF48-100	TGLF72-100
Norminal Battery Energy	3.84KWH	3.072KWH	4.096KWH	5.12KWH	7.68KWH
Norminal Capacity	100AH	60AH	80AH	100AH	100AH
Norminal Voltage	38.4V	51.2V			76.8V
Dimensions (mm)	480x290x180	498x300x250		498x340x250	650x380x285
Internal Resistance	≤30mΩ				
Cycle Life	>6000				
Self Discharge Rate / Month	<3%				
Charge Data					
DC Normal Charge Voltage	43.8±1Vdc	58.4±1Vdc			87.6±1Vdc
Charge Mode	0.2C to 43.8V, then 43.8V, charge current to 0.02C (CC/CV)	0.2C to 58.4V, then 58.4V, charge current to 0.02C (CC/CV)			0.2C to 87.6V, then 87.6V, charge current to 0.02C (CC/CV)
Recommended Charger Current	≤50A	≤30A	≤50A		≤50A
Allowed Max.Charge Current	100A	60A	80A	100A	
Charge Cut-off Voltage	43.8V	58.4V			87.6V
Discharge Data					
Continuous Discharge Current	200A	200A			
Allowed Max. discharge current	300A (30S)	240A (30S)		300A (30S)	300A(30S)
Discharge cut-off voltage	34V	45V			65V
Working Condition					
Charge Temperature	0°C to 45°C(32°F to 113°F)				
Discharge Temperature	-20°C to 60°C(4°F to 140°F)				
Storage Temperature	0°C to 40°C(32°F to 104°F)				
Enclosure Protection Level	IP65				
Mechanical Data					
Cell	Prismatic cell				
Case material	Iron shell				

Increase battery pack life by **50%**

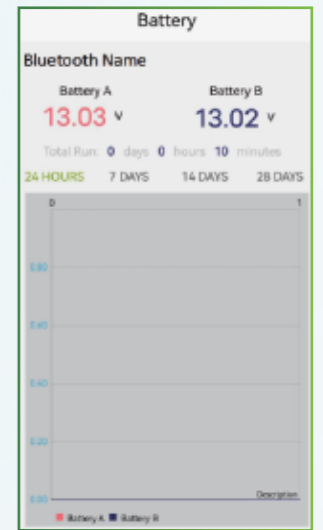


Features:

1. Active balance equalizer, fast balance speed and low consumption;
2. Apply to any n*(2.4V/3.6V/6V/9V/12V) battery packs;
3. IP67 waterproof and moisture-proof;
4. Reverse polarity protection, safe and reliable,
5. No need of external power supply or extra maintenance
6. Users can check battery voltage balancing directly from LCD

1. Users can monitor battery information through the mobile app

2. Once the Bluetooth connection is successful, you can click and re-name the Bluetooth in the top-left corner (as shown in Figure 1)



(Figure 1)

Specification parameter

Applicable Battery Type	2V/3V/6V/9V/12V all kinds of lithium and lead acid batteries
Balance Type	Active balance and energy transfer type
Balance Current	0-10A, based on batteries voltage difference
Connected Battery Number	At least 2pcs
When starts to balance	Auto detect batteries voltage difference more than 20mV
Single minimum battery voltage	1.8V
Single maximum battery voltage	1.8V
Dimension	62x124x27 mm
Cable Length	50cm(default), can be customized
Terminal	1.25-8 type, can be customized
Protection	Reverse polarity protection
Working Temperature	-40 C - 80 C

Solar storage project case



PROJECT CASE

We Have Finished Many Clients With Solar System And Service Over 218+ Countries Since 2002



TAICO 40KWH Storage Installation in U.S.A
System Capacity:4 x10.24KWH
Model: T-ONE 10000



TAICO 77KWH Storage Installation in Nigeria
System Capacity:10 x7.68KWH
Model: T-ONE 7200



TAICO 430KWh Storage Installation in South Africa
System Capacity:2 x215KWh
Model: TK E-Cube L200



RV battery Install
Model: LFP12V-200



TAICO 51KWH Storage Installation in Germany
System Capacity:10 x5.12KWH
Model: TKPW 2400



TAICO 92KWH Storage Installation in Poland
System Capacity:6x15.36KWH
Model:TK1500



Golf Cart Battery install
Model: TGLF48-100



Yacht battery install
Model: LFP12V-100

Inverter Brands that TAICO support and are compatible with

