

TCS[®] | SONGLI
BATTERY

All In One Machine

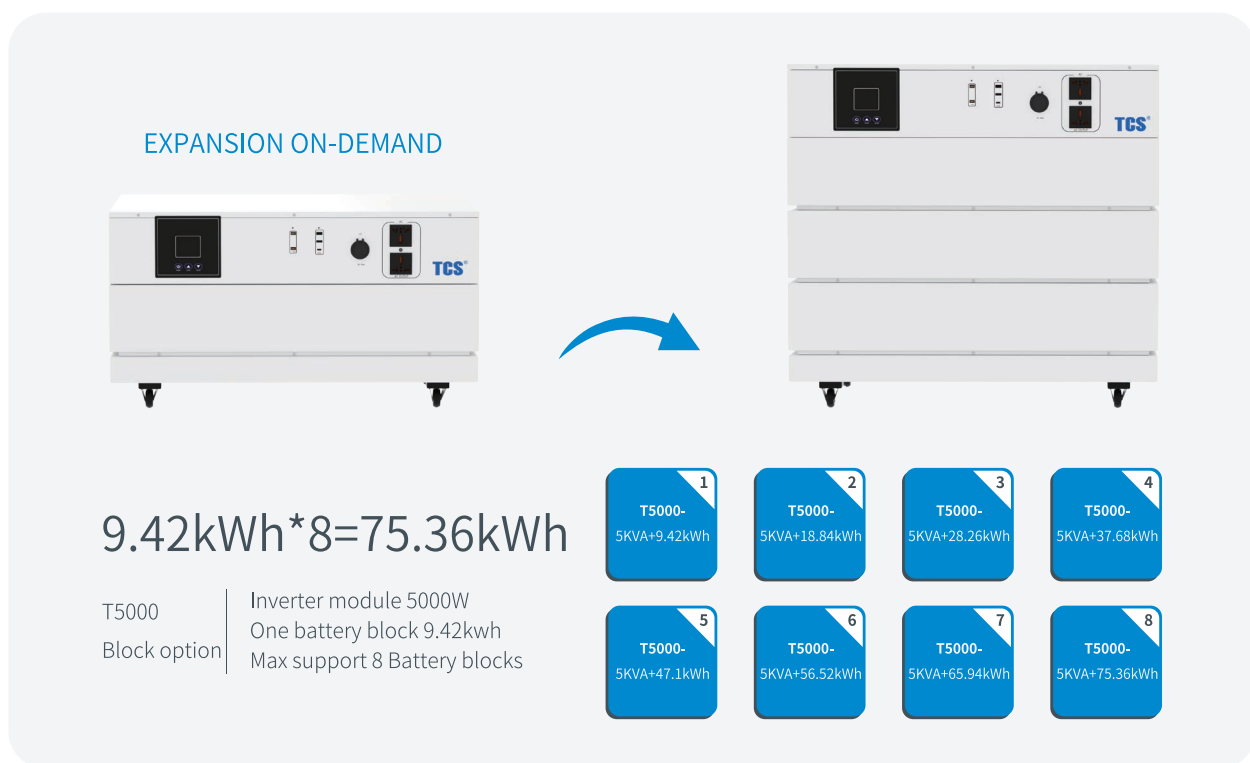
Power box & Power block



Product Description

The TCS Power block T5000 and Power box T5000P is a convenient, modular design solar energy storage system, with integrated structure, simple and beautiful, easy to install, easy to expand, easy to operate and maintain, integrating inverter, EMS and UPS management system to create an efficient, safe and intelligent home energy storage system. Satisfied kinds of energy needs such as seamless power switching and remote control, bringing an economical, safe and convenient operating experience to households.

T5000



T5000P



01

Multiple interfaces available

Match different demands

02

LCD display

Real time monitoring,
clear at a glance



03

Universal wheel design

Easy movement,
stable load-bearing capacity



Using liFePO4 battery cells,
low internal resistance,
and long service life



3 layer BMS system management,
monitoring and management of
the whole system



LCD display screen, operate
parameters setting, data check
in real-time



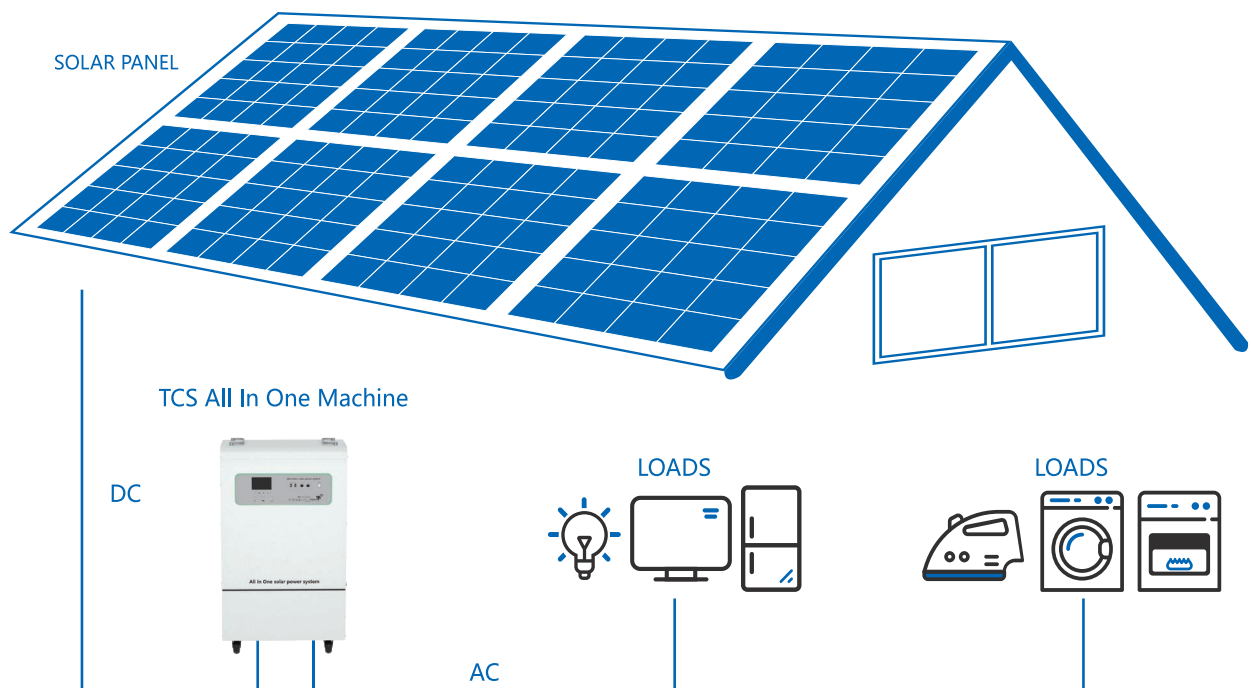
Intelligent system, low loss, high
conversion rate, strong stability,
and reliable operation



Using Grade A battery cells, with high
cycle times, long service life, low overall
operating costs



Integrated design, simple
installation, plug and play



All In One Machine	T5000	T5000P
Rated capacity	184Ah	100Ah
Min. Capacity	184Ah	100Ah
Nominal voltage	51.2V	51.2V
Discharge cut-off voltage	40V	40V
Charging cut-off voltage	58.4V	58.4V
Arrangement method	16S1P	16S1P
Max.charging current	100A	50A
Max.Continuous discharge current	100A	100A
Peak current	200A	150A
Working Temperature range	Charge: 0~55°C / Discharge: -20~60°C	Charge: 0~55°C / Discharge: -20~60°C
Communication protocols	RS485/CAN	RS485/RS232
Input standard	L+N+PE	L+N+PE
Rated input power	208/220/230/240VAC	208/220/230/240VAC
Range of frequencies	50Hz/60Hz (self-adaption)	50Hz/60Hz (self-adaption)
Rated output power	5000W	5000W
Output voltage	208/220/230/240VAC+5%	208/220/230/240VAC+5%
Peak power	10000VA	10000VA
PV Max. Input power	5500W	5500W
MPPT tracking range	120~430Vdc	120~430Vdc
Max. PV input voltage	450Vdc	450Vdc
Optimum open-circuit voltage	370-430V	370-430V
Max. PV charging current	80A	80A
LCD interface	Display of operating modes/loads/inputs/outputs etc	Display of operating modes/loads/inputs/outputs etc
Parallel interface	Parallel function available	Parallel function available
Noise level	≤50db	≤50db
Dimension	(L)785mm*(W)510mm*(H)752mm	(L)730mm*(W)400mm*(H)260mm
Weight	About 263.5kg (including 3 battery blocks)	About 49.5kg

T5000P daily household load electrical appliances using time



Lights
30W
154 hours



TV
110W
42 hours



Fridge
150W
31 hours



Washing Machine
500W
9.5 hours



Air Conditioner
2000W
2.5 hours



Micro-wave Oven
600W
8 hours



Roaster
500W
9.5 hours



Hair Drier
600W
8 hours



Fan
40W
115 hours



Water Heater
2000W
2.5 hours

Note: The above using time is for reference only, please according to the actual power of electrical appliances. If you have bigger power demand, contact us to get more details.