

High Voltage Stacking Type

TKPH-T20/T25/T30/T40/T50

**Solid
Lithium
Battery**

- 
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



 **Smart BMS**
Supporting remote monitoring and real-time observation

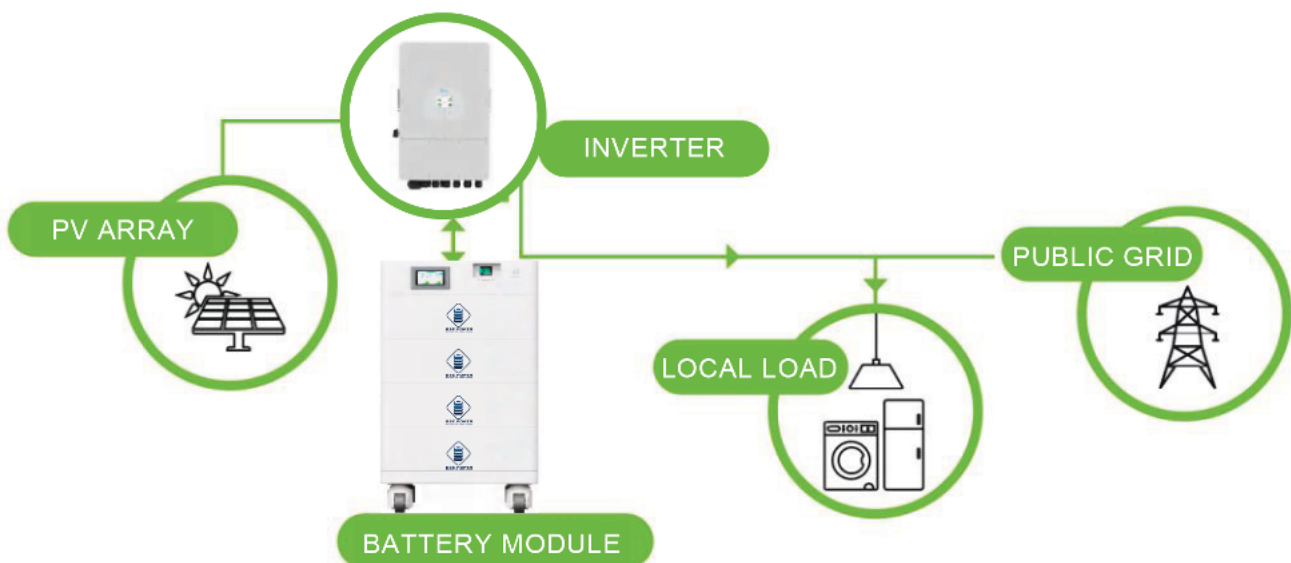
 **Solid lithium battery cells**
long lifespan in 15-20years,

 **>6000**
Cycle Life@25°C

 **Diffrent range 100V-1000V**
Any voltage demands;

 **Furniture cabinet design**
More intelligent in style

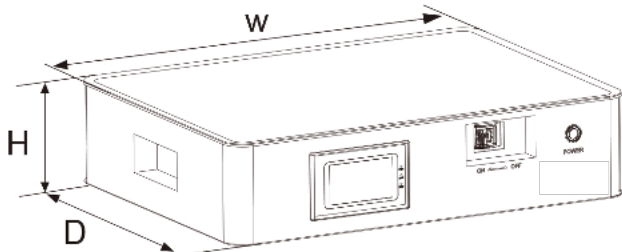
 **High discharge rate**
while maintain high energy capacity



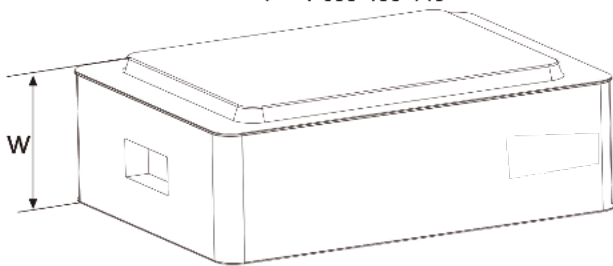
Application Schematic



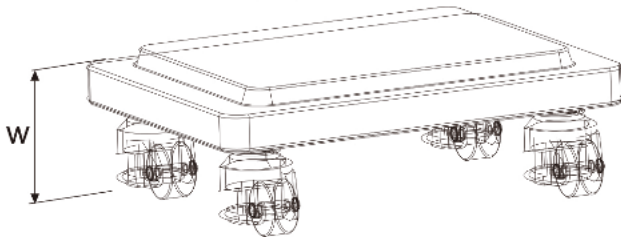
2D Engineering Size and Details Show



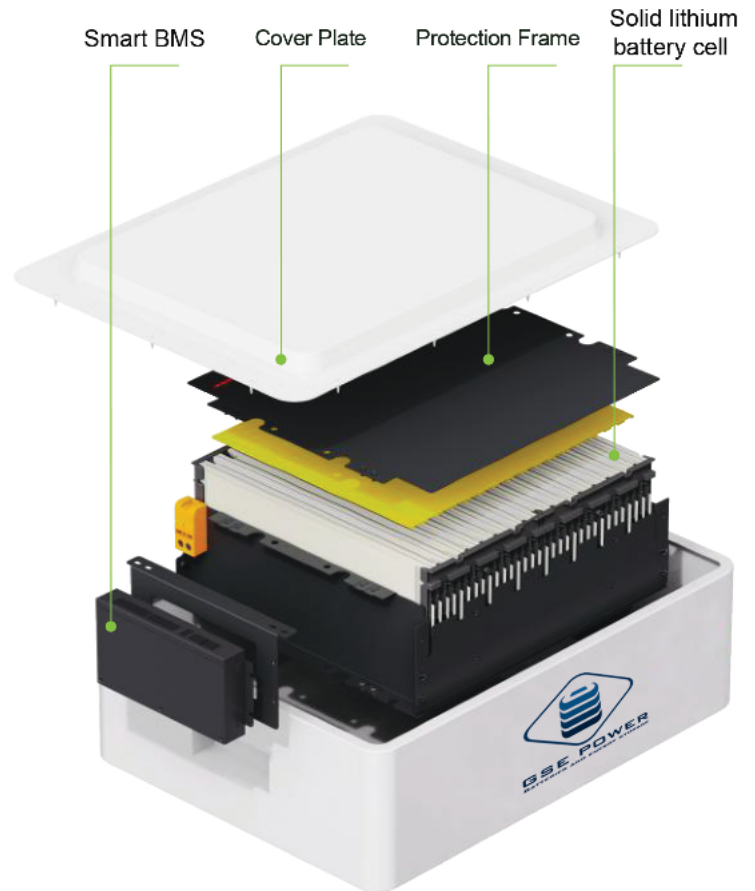
(A) High Voltage Control Module
Dimension $W \times D \times H$ (mm) 600*450*140



(B) Battery Pack Module
Dimension $W \times D \times H$ (mm) 600*450*180



(C) Bottom-loading Module
Dimension $W \times D \times H$ (mm) 600*450*172



Compatible Inverter Brands



Function Parameter



Product number	TKPH-T20	TKPH-T25	TKPH-T30	TKPH-T40	TKPH-T50
Rated voltage	204.8V	256V	307.2V	409.6V	512V
Working voltage range	168-230.4V	210-288V	252-345.6V	336-460.8V	420-576V
Rated capacity	100AH				
Energy	20.48KWH	25.6KWH	30.72KWH	40.96KWH	51.2KWH
Rated charge current	50A				
Peak charge current	100A				
Rated discharge current	50A				
Peak discharge current	100A				
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)	600x450x1032	600x450x1212	600x450x1392	580x430x1752	600x450x2112
Weight	205KG	250KG	295KG	385KG	475KG
Seria/Parallel	64S1P	80S1P	96S1P	128S1P	160S1P
Module dimension	600x450x180MM				
Module weight	45KG				
Number of modules	4PCS	5PCS	6PCS	8PCS	10PCS
Battery type	Solid lithium				

