

THUNDER SKY WINSTON BATTERY (UK)

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Battery (single cell)				
Model	Capacity	Energy	Size (mm)	Weight
TSWB-LYP40AH	40Ah	143Wh	115*47*183	1.5kg±50g
TSWB-LYP60AH	60Ah	237Wh	114*61*203	2.1kg±50g
TSWB-LYP90AH	90Ah	309Wh	143*61*218	2.9kg±100g
TSWB-LYP100AH	100Ah	390Wh	179*62*218	3.6kg±100g
TSWB-LYP130AH	130Ah	480Wh	360*55*177	4.8kg±100g
TSWB-LYP160AH	160Ah	634Wh	209*65*278	5.7kg±150g
TSWB-LYP200AH	200Ah	813Wh	361*55.2*254	7.9kg±200g
TSWB-LYP260AH	260Ah	926Wh	361*55.5*281	8.8kg±200g
TSWB-LYP300AH	300Ah	1024Wh	362*55.5*304	9.5kg±250g
TSWB-LYP400AH	400Ah	1430Wh	460*65*285	13.3kg±250g
TSWB-LYP700AH	700Ah	2405Wh	627*67*305	21kg±300g
TSWB-LYP1000AH	1000Ah	3900Wh	560*130*356	38kg±500g



Voltage:	2.8-4.0V
Charge current:	≤1CA
Operating temperature:	-45-85°C
Cycle life:	7000 Times(80% DOD); 10000 Times (70% DOD)
Internal resistance:	≤0.45(mΩ)
Max discharge current:	Constant Current:≤3CA; Impulse Current:≤10CA
Standard charge/ discharge current:	65A(0.5CA)
Temperature durability of case:	≤200°C
Storage humidity:	≤75%RH
Self-discharge rate:	≤1%(Monthly)



Starter Battery						
Model	Capacity	Energy	Size (mm)	Weight	Voltage	Charge Current
TSWB-LP12V40AH	40AH	572Wh	225*125*208	7.9kg±200g	11-14.5V	≤1CA
TSWB-LP12V60AH	60AH	962Wh	282*125*230	10.7kg±200g		
TSWB-LP12V90AH	90AH	1235Wh	282*155*248	14.6kg±300g		
TSWB-LP12V100AH	100AH	1404Wh	313*175*180			



TSWB-TP Customized						
Model	Capacity	Voltage	ChargeCurrent	Energy	Size (mm)	Operating temperature
TSWB-TP12V1000AH	1000Ah	11-14.5V	0.5CA	15.6KWh	559*503*589	-45-85°C



BESS (battery cabinet)						
Model	Capacity	Expandable energy	Size (mm)	Weight	Voltage	Charge Current
TSWB-LP48V50AH	50AH	2.6KWh	438*450*132		45-60V	≤1CA
TSWB-LP48V100AH	100AH	5.2Kwh~ 78Kwh (Optional)	482*177*570	65kg		

Operating temperature:	-25°C~60°C
Cycle life:	7000 Times(80% DOD); 10000 Times (70% DOD)
Communication interface:	CAN BUSRS485
Heat dissipation method:	Air cooling
Standard charge/ discharge current:	Constant Current:≤50CA; Impulse Current:≤100CA
Maximum working altitude:	≤4000m
Relative humidity:	0~95% (non-condensing)
Battery model:	LYPWater-based lithium Yttrium battery