

Energy Bank Industrial and Commercial Energy Storage System

Energy Bank TESS-30-100/60-100/100-215



Integrated structure design with high protection level



To meet the installation and use in different environments



The design with independent battery and electrical spaces



To enhance fire safety and reliability of the system



New BMS control concept, to optimize BMS control method and improve DC-side output efficiency



To provide multi-dimensional after-sales and operation & maintenance services.



Built-in local/remote EMS control logic



Professional multi-platform access



Model	TESS-30-100	TESS-60-100	TESS-100-215
AC (Grid tied)			
Apparent Power	33kVA	66kVA	110kVA
Rated Power	30kW	60kW	100kW
Rated voltage		400V	
Rated Current	43A	87A	144A
Voltage Range		360V~440V	
Rated Frequency		50/60Hz	
THDI		<3%	
Power Factor		0.8 leading~ 0.8 lagging	
AC mode		3/N/PE	
Overload Capability		110% 10minutes,120%1min	
DC			
Battery Voltage Range	313V~403V	313V-403V	672V~864V
Battery capacity	100.35kwh	100.35kwh	215.04kwh
Max. Charging Power	30kW	30kW	100kW
Max. Discharging Power	30kW	30kW	100kW
Max. Charging Current	100A	140A	140A
Max. Discharging Current	100A	140A	140A
Basic parameters			
Noise		<65dB(A)@1m	
IP protection level		IP54	
Fire protection		CF3CHFCF3	
Cooling		Forced air + Smart AC	
Operating Temperature		-25°C~+55°C	
Relative Humidity		0 - 95%, without condensation	
Max. Altitude		4000m(>2000m derating)	
Dimensions(W*D*H)	1000mmX1000mmx2200mm	1000mmX1000mmx2200mm	1650mmX1000mmx2350mm
Weight	1350Kg	1350Kg	2450Kg
Display		Touch Screen	
Communication		RS485/LAN	